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ABSTRACT

The Inventory of Innovative Learning Materials in Marine Science and Technology includes 32 computer-, 148 video-, 16 film-, and 11 CD-ROM-based entries. They concern materials in biosciences (67), chemistry (5), geosciences (16), physics (23), technology (76) and other (20). This first, initial compilations is conceived as the basis for more complete, digitized versions in the future. (Author)

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Inventory of innovative learning materials in marine science and technology

SE 053 771

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21	Comparing coral reef survey methods. A regional UNESCO/UNEP workshop, Phuket Marine Biological Centre, Thailand, December 1982. English only	1983
22	Guidelines for marine biological reference collections. Prepared in response to a recommendation by a meeting of experts from the Mediterranean Arab countries. Available in English, French and Arabic	1983
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31	MABAHISS/John Murray 50th anniversary: Marine science of the North West Indian Ocean and adjacent waters. Report of a symposium on the occasion of the 50th anniversary of the MABAHISS/John Murray Expedition (1933/34), University of Alexandria, Egypt, 3 to 7 September 1983. English only	1985
32	L'estuaire et la mangrove du Sine Saloum. Résultats d'un Atelier régional UNESCO-COMAR tenu à Dakar (Sénégal) du 28 février au 5 mars 1983. French only	1985
33	Coral taxonomy. Results and recommendations of a regional UNESCO (COMAR)/UNEP workshop with advanced training Phuket Marine Biological Centre, Thailand, 10-26 February 1984. English only	1985
34	Bibliography on coastal lagoons and salt marshes along the Southern Mediterranean coast (Algeria, Egypt, Libya, Morocco, Tunisia). Available in Arabic, English and French	1985
35	Physical oceanography of the Eastern Mediterranean (POEM): A Research Programme. Reports of the Organizing Committee Meeting, Paris, August 1984, and the Scientific Workshop, Lucerne, October 1984. English only	1985
36	Méthodologie d'étude des lagunes côûères. Résultats d'un atelier régional réuni à Abidjan du 6 au 11 mai 1985. French only	1986
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43	Quaternary coastal geology of West Africa and South America. Papers prepared for the INQUA-ASEQUA Symposium in Dakar, April 1986. Available in English only	1987
44	Physical oceanography of the Eastern Mediterranean (POEM): Initial Results UNESCO/IOC First POEM Scientific Workshop, Erdemli, Turkey, 16-20 June 1986. English only	1987

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Inventory of innovative learning materials in marine science and technology

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PREFACE

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ABSTRACT

The Inventory of Innovative Learning Materials in Marine Science and Technology includes 32 computer-, 148 video-, 16 film-, and 11 CD-ROM-based entries. They concern materials in biosciences (67), chemistry (5), geosciences (16), physics (23), technology (76) and other (20). This first, initial compilation is conceived as the basis for more complete, digitalized versions in future. To that end, recipients are requested to provide feedback on the information presented as well as details on additional entry material via the blank standard forms included in the Inventory.

RESUME

Cet inventaire des matériels didactiques novateurs dans le domaine des sciences et technologies océanographiques répertorie 32 logiciels informatiques, 148 vidéogrammes, 16 films et 11 documents sur CD-ROM. Il s'agit de matériels intéressant les sciences biologiques (67), la chimie (5), les sciences géologiques (16), la physique (23), la technologie (76) et d'autres disciplines (20). Ce premier recensement est conçu comme l'amorce de versions informatisées plus complètes qui seront établies dans l'avenir. A cette fin, les destinataires sont priés de faire connaître, en se servant des formules vierges normalisées qu'ils trouveront dans l'inventaire, leurs observations sur l'information présentée ainsi que la description de tout matériel supplémentaire à y inclure.

RESUMEN

El Inventory of Innovative Learning Materials in Marine Science and Technology contiene 32 asientos informáticos, 148 en vídeos, 16 en filmes y 11 en CD-ROM, relativos a materiales de ciencias biológicas (67), química (5), ciencias de la tierra (16), física (23), tecnología (76) y otras cuestiones (20). Esta primera recopilación inicial ha sido concebida como base para hacer en el futuro versiones más completas, con técnicas digitales. A tal efecto se pide a los receptores que comuniquen sus experiencias con la información presentada, así como detalles sobre materiales para nuevos asientos, utilizando los formularios normalizados en blanco que se incluyen en el Inventario.

РЕЗЮМЕ

Перечень новаторских учебных материалов по морским наукам и технологии содержит 32 компьютерных, 148 видео–, 16 кино– и 11 основанных на использовании КД–ПЗУ материалов. Они включают материалы по биологическим наукам (67), химии (5), наукам о Земле (16), физике (23), технологии (76) и другим вопросам (20). Этот самый первый сборник задуман в качестве основы для выпуска в будущем более полных вариантов в цифровой форме. С этой целью получателям предлагается высказать свои мнения о представленной информации, а также подробные замечания в отношении дополнительного исходного материала с помощью стандартных бланков, включенных в перечень.

مستخلص

تحتوي قائمة حصر مواد التعلم التجديدية في مجالي علوم البحار والتكنولوجيا على ٣٢ مدخلا بالحاسب، و ١٤٨ مدخلا بالفيديو، و ١٦ مدخلا بالأفلام، و ١١ مدخلا مسجلة على اسطوانات بذاكرة قراءة فقط (CD-ROM). وتتعلق هذه المدخلات بمواد في مجال العلوم الأحيائية (٦٧)، والكيمياء (٥)، وعلوم الأرض (١٦)، والفيزياء (٢٣)، والتكنولوجيا (٧٦) وغيرها (٢٠). وقد صيغت هذه القائمة الأصلية الأولى كقاعدة لقوائم أخرى رقمية أكمل تعد مستقبلا. ولهذا الغرض يطلب من الأطراف المتلقية أن تقدم ردودها بشأن المعلومات المعروضة عليها، وكذلك تفاصيل عن مواد مدخلة اضافية عن طريق ملء النماذج الموحدة المرفقة بقائمة الحصر.

摘　　要

《海洋科学与技术革新学习材料的详细目录》包括32个计算机条目、148 个录像条目、16个电影条目和11个光盘只读存储器条目。这些条目涉及生物科学（67条）、化学（ 5条）、地球科学（16条）、物理学（23条）、技术学（76条）和其他学科（20条）。这一初步汇编是今后更全面的，数字化处理的版本之基础。为此，请收到本目录的人对所载资料提供反馈信息并在所附的标准空表中填入有关补充条目的详细内容。

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PART ONE

INTRODUCTION

Background and Purpose

Unesco published *Year 2000 Challenges for Marine Science Training and Education Worldwide* in 1988. The transmittal letter forwarding this publication requested recipients to submit to Unesco information on any available innovative learning materials in marine science and technology.Innovative learning materials were identified to be computer-based, video-based, film-based, and CD-ROM-based. In subsequent years, so many responses were received in Paris that a decision was made at the end of 1990 to collect and prepare them for publication. This occasion necessitated devising a standard method of reporting as well as asking suppliers to verify their information and to resubmit it on the standardized forms.

This report is the result. Marine science includes marine technology or ocean engineering for the purpose of this report. The intent is to provide potential users with sufficient information to enable them to decide whether the materials are relevant for their needs and, if so, where to obtain the materials. In addition, the inventory provides Unesco with information useful for planning the compilation of computerized educational modules containing learning materials from a number of different sources on the same general topic.

The report has been organized into two parts. Part One provides an explanation of the inventory forms because it may not be obvious why some of the information requested is wanted, provides a short summary and conclusions drawn from the inventories, lists two references of general relevancy to the report, and provides guidance and a set of blank forms for supplemental or new information that can be submitted for a future edition. Part Two consists of the four main inventories: (A) computer-based, (B) video-based, (C) film-based and (D) CD-ROM-based learning materials. Leaning materials based on slide or diapositive programmes have not been included in the report.

Development of Inventory Forms

Developing the inventory forms turned out to be much more of a problem than originally anticipated. The objective was to keep each form as simple and short as possible and not to exceed one page for each inventoried item. On the other hand, so many different software items were found to be used in different time periods and in different parts of the world that it was a bit of a puzzle what to include and what to exclude. It was quickly learned that despite the valued assistance of experts in a number of different countries, almost no person communicated with had a complete picture of the existing global variability.

It is believed that the forms that were finally developed meet the needs of most users. Although it may seem that some of the information is superfluous, what may be unnecessary information to one user is essential to another. Indeed, when the inventory forms were returned, it became obvious that many, if not most, providers or producers do not have the minimum technical information to let users in other parts of the world know whether or not their software will work in a different environment. It is hoped that this problem can be reduced or eliminated in the future.

Survey of Unesco Respondents

The innovative learning material information that had been submitted to the Unesco Training and Education in the Marine Sciences Programme (TREDMAR) was examined and, in so far as possible, included on a standardized form. One or more of the forms were sent by Unesco in early January 1992 to each originator with the request that the existing information be checked and the remainder of each form be completed. Every person and organization was given the opportunity of submitting additional inventory items. Follow-up requests for submission were sent to all parties later in 1992. All inventory forms applicable to this project that were received in 1992 have been included in Part Two.

In addition, Unesco advertised the inventory on several computer bulletin boards. A packet of materials was also sent to a few individuals or organizations to provide them with the possibility of submitting information. There was no attempt made to survey any other persons or organizations.

This Report, a First Edition

It was recognized from the beginning that the initial compilation of innovative learning materials would represent only a small survey of marine science and technology materials existing throughout the world. There was a deliberate attempt to confine the project to only those persons who had originally volunteered information to Unesco. This was done to reduce the number of unknowns and variables in compiling the first edition. The plan was to include in the report only information resubmitted on the standardized forms.

Non-responding parties will be contacted by sending them a copy of this publication. They are encouraged to submit responses on standardized forms completely filled out for inclusion in a future edition.

Unesco expects to expand the survey in the near future to try and include most of the globally available information on innovative learning materials in marine science and technology. Readers are urged to correct existing inventory items that are not correct in this report, to complete fully the inventory forms published in this report by providing all missing information and to submit to Unesco, Paris, new items for inventory. Updated blank master inventory forms are given at the end of Part One. These may be photocopied and submitted to Unesco, using the address provided on the form, for a future edition.

The next edition is planned to be on floppy disk to facilitate retrieval and updating information. In the second edition, Unesco may not include any material that is not completely documented with all of the information specified on one of the four Unesco TREDMAR inventory forms. Disclosure of full information will help potential users of material decide whether it is useful and whether it will operate satisfactorily using available technology. Please keep in mind that throughout the world much of the innovative learning technology is not standardized.

Acknowledgments

This project was conceived and initiated by Dr. Dirk Troost, Unesco, Paris, who has continually provided encouragement and guidance. Filling out forms is always onerous. We thank the many individuals who took the initiative of submitting initial materials to Unesco and who later were willing to complete the standardized forms containing information about their learning materials. We hope they will be sympathetic to any editorial changes made to the information that they submitted.

We are indebted to the many persons who discussed briefly or at length with one of us what should be included and excluded from the standardized inventory forms and who reviewed preliminary drafts of the forms. Discussions and communications were especially helpful with Mr. T. van Moorselaar of the Delft University of Technology Audiovisual Centre, Mr. M. Stevens of Sony Industrial in The Netherlands, and Ms. C. Moore and Dr. M. S. Loughridge of the National Geophysics Data Center in the United States.

Mrs. G. Kensler of Denbig, Wales, assisted with Spanish translations of the orginal materials. Ms. N. Levy, Unesco, Paris, translated French into English for a number of inventory entries.

EXPLANATION OF INVENTORY FORMS

There are two categories of information for every inventory form. The first is common to all forms and the second is specific to each of the four forms. The two categories will be discussed separately.

The hierarchal order of inventory listing in Part Two of this report is as follows: (1) main subject inventory—computer, video, film and CD-ROM, (2) alphabetical by primary key word—biosciences, chemistry, geosciences, other (including everything that could not logically be grouped into one of the traditional disciplines), physics and technology and (3) alphabetical by submitted title.

Information Common to All Inventories

Key Word

Each of the four traditional fields of marine science was selected to be a primary key word: biological oceanography and marine biology, chemical oceanography, geological and geophysical oceanography, and physical oceanography. To conserve space on the form, each of these fields was simplified to biosciences, chemistry, geosciences, and physics. Marine technology, including all aspects of ocean engineering, concluded the list of primary key words. In addition, an «other» category was established for those items that could not logically be inserted into any of the other five categories. A discussion of the subjects comprising the other categories is given in the summary of this report. Usually persons filled in the most appropriate primary key word. When this was not done the compilers decided what word to use. In a very few instances, the compilers used editorial prerogatives to change the key words if they appeared inconsistent with submitted information in the summary.

Secondary Key Words

In a future edition, it would be desirable to be able to search the files using standardized secondary key words. There was uncertainty what secondary key words should be included and what degree of freedom originators would be permitted in the use of these words. The decision was made to revise an existing Unesco marine science key word list and to request that only two secondary key words be selected from this list. It was expected that secondary key words not on the list might be used. The compilers themselves used a variety of key words not on the list when filling out the first draft of the inventory forms from information originally submitted to Unesco. In the next edition, it may be possible to standardize the secondary key word list, to utilize more than two secondary key words and to index these words.

In Part Two of the report, all entries have secondary key words. A number of providers did not classify their materials using any secondary key words. The compilers have provided secondary key words if they were not supplied.

Title

Only titles provided by originators have been used. In most instances, if the title is in a language other than English it has been translated into English. Titles have not been edited by the compilers.

Summary

Only summaries provided by the originator have been used. In some instances, the compilers have edited the information supplied or have constructed a summary from information supplied. If an item did not have a summary, and it was not possible to construct one, the item was excluded from the inventory in Part Two.

Considerable difficulty was had deciphering the wording in some handwritten summaries. If the interpretation made by the compilers is imperfect, it is hoped that the originator will correct the entry for a future edition.

Language

English was specified as the reporting language for all inventory materials. The language of each inventory item has been listed under this category. The actual languages that were used for inventoried items in Part Two are summarized in the summary section of this report.

Intended User Level

In most instances, the provider of the information specified the appropriate user level from the selections provided on the form: general, secondary school, undergraduate university and advanced (post-graduate level or highly specialized). An elementary school level was not included, although many materials listed under the general category may be suitable for elementary school use. Some general items may also be appropriate for adult education. Multiple classification has been permitted. When the submitter did not provide the user level the compilers estimated the level and included this information. A summary of the user levels given on the inventories is provided later in the report.

Provider or Producer

This category is the supplier of the item inventoried. Addresses are provided but not everyone listed telephone and telefax numbers and country postal codes.

Release Date
The original inventory forms listed «copyright date.» This date should have been indicated as «release date» because it has been learned that most items probably have not been copyrighted. In this report, the date listed may be either the copyright or the release date. In some instances, a date was not provided.

ISBN Number
Self explanatory. Not always provided by the submitter of information.

Sale Price
Self explanatory. Not always provided by the submitter of information.

Rental Price
Self explanatory. Not often provided by the person submitting the inventory item.

Permission or License Required
Self explanatory. This information was not often provided.

Specialized Information, Form A, Computers

Most of the inventory forms in Part Two unfortunately have not been completely filled out. Nevertheless, hopefully enough information exists, particularly if the reader relates the information supplied to the country of the supplier, for the reader to reasonably understand hardware and software requirements. The categories on the inventory form listed under Computer Type and Hardware- Software Specifications are believed to be self explanatory. The one possible exception is the 80286 level of IBM and compatable computer, which is also known as an AT.

Specialized Information, Form B, Videos

The world of video is complicated, to say the least. There are over forty existing video formats included under consumer, non-consumer and broadcast categories. The returned inventory forms clearly indicated that many providers or producers did not know what specific television standards or video format was used for their product. The inventory forms mentioned that the TV standards included PAL, PAL M, PAL N, NTSC 3.58, NTSC 4.43 and SECAM. There are many more, and compatibility is limited if not non-existent. The listed video formats included VHS, VHS C, SVHS, Beta, Video 8, High 8, U-matic highband and U-matic lowband, among others. Readers are cautioned to be careful that an inventoried item will work in their environment, keeping in mind that the information specified under TV standard and video format may not have been correctly supplied in the requisite detail. The same problem exists for tape width, but there evidently is more consistency for tape width if the video format is correctly stated. Other categories on the form are believed to be self explanatory.

It is understood that the possibility exists to copy PAL to NTSC and vice versa using the TPE387A chip, but we have no experience with this procedure. Alternatively, multinorm decoders with PAL or NTSC outputs are available. Almost any colour norm can be copied to any other colour norm by commercial companies. Librarians or audiovisual centres may have information on this process, which can also be obtained from Unesco, Coastal and Marine Sciences.

Specialized Information, Form C, Films

Again, regrettably information is unavailable or incomplete for many inventory items. Each category should be self explanatory.

Specialized Information, Form D, CD-ROMs

This is another media in which universal standardization is only a hope for the future. While the format (High Sierra, ISO 9660, etc.) was usually specified, the compatible CD-ROM drives were not. It is understood, however, that major makes of drives should handle High Sierra or ISO 9660. In a similar manner, the searching software for the CD-ROM also needs to be known if it is not provided on a disc with the package. CD-ROM users are probably familiar with the categories listed on the form. If not, their local media specialist or librarian may be able to help.

The decision was made originally not to include databases in the CD-ROM inventories. However, some certainly have educational value. An editorial decision was made to include these and to exclude others that did not appear to be as comparable to the other included types of innovative learning materials.

SUMMARY OF DATA

Inventory Statistics

Table 1 lists the number of entries included under all of the six learning material primary key words for each learning material subject listing in Part Two. There are 207 inventoried items.

Table 1. Number of entries listed by key word for each learning material.

Learning material	*Number of entries in inventories A-D*
Computed-based	32
Video-based	148
Film-based	16
CD-ROM-based	11
Totals	207

Table 2 combines all entries by primary key word. It is interesting to note that there are more technology entries than any other of the five categories, although the biosciences are represented by a close second in number.

Table 2. Total Number of Inventoried Items Listed by Primary Key Word.

Key word	*Number of entries*
Biosciences	67
Chemistry	5
Geosciences	16
Other	20
Physics	23
Technology	76
Totals	207

Table 3 details the number of inventoried items by primary key word under each for the four types of innovative learning materials: A is computer-based, B is video-based, C is film-based and D is CD-ROM-based. Marine physics or physical marine science is predominant in computer-based learning materials. Marine technology has the most entries in video-based learning materials. The marine biosciences are most represented under film-based learning materials. Marine geosciences and marine physics almost tie for the number of entries under CD-ROM-based learning materials.

Table 3. Itemized Number of Inventoried Items Listed by Primary Key Word.

Key word	*Number of entries*				
	A	*B*	*C*	*D*	*Totals*
Biosciences	6	47	12	2	67
Chemistry	3	2	0	0	5
Geosciences	3	7	1	5	16
Other	4	14	2	0	20
Physics	11	8	0	4	23
Technology	5	70	1	0	76
Totals	32	148	16	11	207

Secondary Key Words

A very wide variety of secondary key words were used. These have not been analyzed or summarized in this report.

Countries Represented

Part Two includes inventories from the following countries: Argentina, Australia, Austria, Chile, Columbia, France, Germany, The Netherlands, Norway, Peru, Philippines, Sweden, Switzerland, Ukraine, United Kingdom, United States and West Indies. Most items contributed under computer-based and video-based learning materials were from the United Kingdom and the United States. Film- based and CD-ROM-based learning materials were received predominantly from the United States.

It is believed that a large number of innovative learning materials exist in many other countries in addition to the 17 listed above.

Languages Used

Innovative learning materials issued in the following languages are represented: English, Danish, Dutch, Filipino, French, German, Russian, Spanish, Swedish and Ukrainian.

User Level Reported

The most common category reported for computer-based learning materials was the one called undergraduate university and advanced; all other user levels for learning materials are very poorly represented under computers. Video- based learning materials most often were classified as being suitable for the undergraduate university and advanced levels combined, with undergraduate university and general also being well represented. General was the most common designation for film-based learning materials. CD-ROM-based learning materials were most often classified as undergraduate university and advanced combined. This distribution of user levels approximates what might be expected in marine science and technology.

CONCLUSIONS

This preliminary inventory of innovative learning materials in marine science and technology documents the fact that a substantial number of materials have been prepared worldwide. Many of the learning materials inventoried in this report can be useful and helpful in the process of distance learning at all levels of education. These materials can also be used to provide breadth and enrichment to conventional classroom and seminar learning and teaching.

REFERENCES

Two publications were identified in the preparation of this report that have relevancy to the project. Bibliographic information is cited below. It is likely that other publications may also

contain useful information or compilations about innovative learning materials in marine science and technology. Identification of other publications would be welcomed by Unesco, Paris.

Datta, S.K., Gurusamy, S. and White, M., 1992. *Catalogue of audio-visual materials in ocean development and management*: Revised and expanded edition, The Commonwealth of Learning, Vancouver, British Columbia, 347 pp.

Lemay, M.H. and Hale, L.Z., 1989. *Coastal resources management, a guide to public education programs and materials*: Kumarian Press, West Hartford, Connecticut, 58 pp.

REQUEST FOR SUPPLEMENTAL AND NEW INFORMATION FOR FUTURE INVENTORIES

A more complete future edition of this report is expected within a few years. Readers are requested to review the information presented in Part Two, to notify Unesco of any corrections, to provide any missing information and to submit new items for inventory.

Readers also are requested to comment on any aspect of the report and the four inventory forms. Suggestions for improvements will be welcomed.

Master blank forms that may be used for reporting changes or new materials follow. Standardized forms are provided for the following learning materials: (A) computer-based learning materials, (B) video-based learning materials, (C) film-based learning materials, and (D) CD-ROM-based learning materials. These may be photocopied for submitting new innovative learning materials to Uesco. Alternatively, blank forms may be requested directly from Unesco.

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

(Please provide requested information or circle answer.)

Key Word (1 only): biosciences, chemistry, geosciences, physics, technology, other—

Secondary Key Words (2 only): _____ & _____

Title: _____

Brief Summary of Contents: _____

_____

_____

_____

_____

Language(s): _____

Intended User Level: general, secondary school, undergraduate university, advanced

Provider or Producer: Name: _____

Organization: _____

Address: _____ Telephone number: _____

Country: _____ Telefax number: _____

Release Date: _____ **Planned Future Release Date?** _____

ISBN Number: _____ **Rental Price:** _____

Sale Price: _____ **Rental Period:** _____

Permission or License Required (specify): _____

Computer Type and Hardware-Software Specifications (minimum requirements)

IBM or Compatible: XT, AT, 80386, 80486, other DOS level: _____

Macintosh, other computer type (specify): _____

Disc drives 3.5": 720 kb 1.44 Mb : 5.25": 360 kb 1.2 Mb ____; other _____

Number of floppy discs in programme: _____ RAM required: kb_____ Mb _____

Hard disc required: yes/no Megabytes: _____

Monitor & graphics card: CGA, HGC, EGA, VGA, Super VGA (VGA+), other: _____

Other: _____ monochrome _____ color _____

Sound: yes/no Sound hardware required: _____

Programme copy protected: yes/no Computer programme language: _____

Please Attach Relevant Information (documentation, magazine reviews, etc.)

Return this form to: Dr. D. Troost, UNESCO, Coastal and Marine Sciences
1, rue Miollis, 75015 Paris, France

C. FILM-BASED LEARNING MATERIALS

(Please provide requested information or circle answer.)

Key Word: (1 only): biosciences, chemistry, geosciences, physics, technology, other—

Secondary Key Words: (2 only): _____ & _____

Title: _____

Brief Summary of Contents: _____

_____

_____

_____

_____

_____

Language(s): _____

Intended User Level: general, secondary school, undergraduate university, advanced

Provider or Producer: Name: _____

Organization: _____

Address: _____ Telephone number: _____

Country: _____ Telefax number: _____

Release Date: _____ **Planned Future Release Date?** _____

ISBN Number: **Rental Price:** _____

Sale Price: **Rental Period:** _____

Permission or License Required (Specify): _____

Hardware Specifications

Format: 35mm, 16mm, Super 8 (speed 18 or speed 24)

Sound (35 & 16mm): optical ____ magnetic ____

Length (minutes): _____ Colour: yes/no

Please Attach Relevant Information (documentation, magazine reviews, etc.)

Return this form to: Dr. D. Troost, UNESCO, Coastal and Marine Sciences
1, rue Miollis, 75015 Paris, France

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

(Please provide requested information or circle answer.)

Key Word (1 only): biosciences, chemistry, geosciences, physics, technology, other—

Secondary Key Words (2 only): _____ & _____

Title: _____

Brief Summary of Contents: _____

_____

_____

_____

_____

_____

Language(s): _____

Intended User Level: general, secondary school, undergraduate university, advanced

Provider or Producer: Name: _____
Organization: _____
Address: _____ Telephone number: _____
Country: _____ Telefax number: _____

Release Date: _____ **Planned Future Release Date?** _____

ISBN Number: _____ **Rental Price:** _____

Sale Price: _____ **Rental Period:** _____

Permission or License Required (Specify): _____

Hardware Specifications

TV-video colour standard (specify type): NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, SECAM, etc.
_____

Video format (specify VHS, Beta, etc.): _____

Length (minutes): _____ Colour: yes/no

Tape width (inches): _____

Please Attach Relevant Information (documentation, magazine reviews, etc.)

Return this form to: Dr. D. Troost, UNESCO, Coastal and Marine Sciences
1, rue Miollis, 75015 Paris, France

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

D. CD-ROM-BASED LEARNING MATERIALS

(Please provide requested information or circle answer.)

Key Word (1 only): biosciences, chemistry, geosciences, physics, technology, other—

Secondary Key Words (2 only): _____ & _____

Title: _____

Brief Summary of Contents: _____

_____

_____

_____

_____

Language(s): _____

Intended User Level: general, secondary school, undergraduate university, advanced

Provider or Producer: Name: _____
Organization: _____
Address: _____ Telephone number: _____
Country: _____ Telefax number: _____

Release Date: _____ **Planned Future Release Date?** _____

ISBN Number: _____ **Rental Price:** _____

Sale Price: _____ **Rental Period:** _____

Permission or License Required (Specify): _____

Hardware-Software Specifications

Compatible drives (specify): _____

Format: High Sierra _____ ISO 9660 _____ Apple HFS _____ Other _____

Software (specify): _____

Peripherals: graphics card type _____ Hard disc (MB) _____

IBM or compatable computer: XT, AT, 80386, 80486, other _____

Other computer (specify): _____

RAM memory required: _____ kb _____ Mb Number of discs in programme: _____

Operating system: DOS level _____ Other system: _____

Monitor & graphics card: CGA, HGC, EGA, VGA, Super VGA (VGA+), other _____

Will updates be provided: yes/no When: _____

Please Attach Relevant Information (documentation, magazine reviews, etc.)

Return this form to: Dr. D. Troost, UNESCO, Coastal and Marine Sciences
1, rue Miollis, 75015 Paris France

PART TWO

INVENTORIES

A. COMPUTER-BASED LEARNING MATERIAL INVENTORY

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UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Ecosystem, Ecology

Title: A Guide to the ECOPATH II Software System

Brief Summary of Contents: An approach for balancing ecosystems models. Includes: 1) routines for balancing flows in a steady-state ecosystem; 2) routines for estimating network flow indices; 3) other ecological indices.

Language(s): English

Intended User Level: advances

Provider or Producer: **Name:** V. Christensen
Organization: International Center for Living Aquatic Resources Management
Address: MC P.O. Box 1501
Makati
Metro Manila
Country: Philippines
Telephone number: 632 818-0466
Telefax number: 632 818 3183

Release Date: **Planned Future Release Date:**

ISBN Number: ISSN 116-6964 **Rental Price:**

Sale Price: US $20 **Rental Period:**

Permission or License Required: no

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT, 80286, 80386, 80486 DOS level: 3.0

Disc drives: 5.25": 360 kb

Number of floppy discs in programme: 1 RAM required: kb 512

Hard disc required: no Megabytes:

Monitor & graphics card: CGA, HGC, EGA, VGA, Super VGA (VGA+)

Sound: no

Programme copy protected: no Computer programme language: Exe-files

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Fisheries Management, Population Dynamics

Title: AbaSim

Brief Summary of Contents: A cost-effective and time saving computer graphics program method of improving the performance and understanding of participants in the fisheries management process. It teaches important principles of fisheries management relevant to all fisheries by simulation training. A manual accompanies the program diskette.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Lesley Fairbairn, Administrator
Organization: Fish Insight
Address: South Australian Department of Fisheries
GPO Box 1625
Adelaide, SA 5001 **Telephone number:** 618 226 0633
Country: Australia **Telefax number:** 618 226 0664

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: single user licence US $195; site license US $450; half-price to educational institutions **Rental Period:**

Permission or License Required:

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: 286 compatible or higher DOS level:

Disc drives:

Number of floppy discs in programme: 1 RAM required:

Hard disc required: no Megabytes:

Monitor & graphics card: VGA colour

Sound:

Programme copy protected: Computer programme language:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Fisheries, Assessment/Management

Title: BASIC Fishery Science Programs: A Compendium of Microcomputer Programs and Manual of Operation

Brief Summary of Contents: Manual for using several BASIC programs applicable to fishery biology.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Prof. Saul B. Saila
Organization: International Center for Marine Resource Development
Address: University of Rhode Island
Kingston, RI 02881-0811 **Telephone number:** 1 401 792-2479
Country: USA **Telefax number:**

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: 0-444-4301-8 **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required: no

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible DOS level: 2.0

Disc drives: 3.5": 720 kb; 5.25": 360 kb

Number of floppy discs in programme: 2-720 kb RAM required: kb 64

Hard disc required: no Megabytes:

Monitor & graphics card: none; other: monochrome

Sound: no

Programme copy protected: no Computer programme language: BACICA

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Population, Fisheries

Title: Estimation and Comparison of Fish Growth Parameters from Pond Experiments: A Spreadsheet Solution

Brief Summary of Contents: To estimate and compare the growth of fish in pond experiments using the Bulland/Holt plot. The method is implemented as a LOTUS 1-2-3 "spreadsheet" allowing easy data editing and analysis. An example is also provided with the disk.

Language(s): English

Intended User Level: undergraduate level, advanced

Provider or Producer: **Name:** J.M. Valily
Organization: Center for Living Aquatic Resources Management
Address: MC P.O. Box 1501
Makati
Metro Manila
Country: Philippines
Telephone number: 632 818-0466
Telefax number: 632 818-3183

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $15 **Rental Period:**

Permission or License Required: no

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT DOS level: 3.0

Disc drives: 5.25": 360 kb

Number of floppy discs in programme: 1 RAM required: kb 512

Hard disc required: no Megabytes:

Monitor & graphics card: CGA, HGC

Sound: no

Programme copy protected: no Computer programme language: Lotus 123 Macro

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Population, Fisheries

Title: MAXIMS

Brief Summary of Contents: A computer program for estimating the food consumption of fishes from dried stomach contents data and population parameters.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Dr. D. Pauly
Organization: Center for Living Aquatic Resources Management
Address: MC P.O. Box 1501
Makati
Metro Manila
Country: Philippines
Telephone number: 632 818-0466
Telefax number: 632 818-3183

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $20 **Rental Period:**

Permission or License Required: no

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible DOS level: 3.0

Disc drives: 5.25": 360 kb

Number of floppy discs in programme: 2 RAM required: kb 512

Hard disc required: no Megabytes:

Monitor & graphics card:

Sound: no

Programme copy protected: no Computer programme language: MS Quick Basic

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Population, Fisheries

Title: The Complete ELEFAN

Brief Summary of Contents: Graphic oriented software for length-based stock assessment. The set of routines cover most aspects of fish population dynamics (i.e. growth, mortality, gear selection, virtual population analysis, yield-per-recruit analyses, etc.).

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Dr. D. Pauly
Organization: Center for Living Aquatic Resources Management
Address: MC P.O. Box 1501
Makati
Metro Manila
Country: Philippines
Telephone number: 632 818-0466
Telefax number: 632 818 3183

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $75 **Rental Period:**

Permission or License Required: no

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT DOS level: 3.0

Disc drives: 5.25": 360 kb

Number of floppy discs in programme: 12 RAM required: kb 512

Hard disc required: no Megabytes:

Monitor & graphics card: CGA, HGC

Sound: no

Programme copy protected: no Computer programme language: MS Quick Basic

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Population, Fisheries

Title: User's Manual for the Fish Population Dynamics Plug-in Module for HP41CV Calculators

Brief Summary of Contents: The module contains routines for fish stock assessment covering length-weight relationship; gear selection; growth parameter estimation; mortality estimation; and virtual population analyses as well as various length-structured and surplus-production models.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Dr. D. Pauly
Organization: Center for Living Aquatic Resources Management
Address: MC P.O. Box 1501
Makati
Metro Manila
Country: Philippines
Telephone number: 632 818-0466
Telefax number: 632 818-3183

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $150 **Rental Period:**

Permission or License Required:

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible; HP41CV Calculator DOS level:

Disc drives:

Number of floppy discs in programme: RAM required:

Hard disc required: Megabytes:

Monitor & graphics card:

Sound: no

Programme copy protected: no Computer programme language:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Chemistry

Secondary Key Words: Chemicals from Sea-water, Salinity

Title: Conductivity

Brief Summary of Contents: Converts between practical salinity, conductivity (mS/cm,) temperature and pressure. The program utilises internationally approved algorithms (Perkin and Lewis, 1980). User friendly program, menu-driven operation with report print-out.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** P.S. Ridout, Director
Organization: Ocean Scientific International Ltd.
Address: Brook Road
Wormley
Surrey GU8 5UB
Country: UK
Telephone number: 44 428 685245
Telefax number: 44 428 685075

Release Date: 1989 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £120 **Rental Period:**

Permission or License Required: serial number coding

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT DOS level: 2.0

Disc drives: 3.5": 720 kb; 5.25": 360 kb

Number of floppy discs in programme: 1 RAM required: kb 100

Hard disc required: no Megabytes:

Monitor & graphics card: CGA

Sound: no

Programme copy protected: yes Computer programme language: Basic

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Chemistry

Secondary Key Words: Chemicals from Sea-water, Oxygen

Title: Oxygen

Brief Summary of Contents: Calculates oxygen solubility from temperature and salinity for a range of units. Utilises UNESCO approved algorithms. It is intended for use with data from laboratory salinometers. User friendly, menu-driven program with report print-out.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** P.S. Ridout, Director
Organization: Ocean Scientific International Ltd.
Address: Brook Road
Wormley
Surrey GU8 5UB
Country: UK
Telephone number: 44 428 685245
Telefax number: 44 428 685075

Release Date: 1989 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £120 **Rental Period:**

Permission or License Required: serial number coding

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT DOS level: 2.0

Disc drives: 3.5": 720 kb; 5.25": 360 kb

Number of floppy discs in programme: 1 RAM required: kb 100

Hard disc required: no Megabytes:

Monitor & graphics card: CGA

Sound: no

Programme copy protected: yes Computer programme language: Basic

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Chemistry

Secondary Key Words: Chemicals from Sea-water, Salinity

Title: Salinity

Brief Summary of Contents: Converts between practical salinity, conductivity ratio and temperature. Utilises UNESCO approved algorithms. It is intended for use with data from laboratory salinometers. User friendly, menu-driven program with report print-out.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** P.S. Ridout, Director
Organization: Ocean Scientific International Ltd.
Address: Brook Road
Wormley
Surrey GU8 5UB
Country: UK
Telephone number: 44 428 685245
Telefax number: 44 428 685075

Release Date: 1989 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £120 **Rental Period:**

Permission or License Required: serial number coding

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT DOS level: 2.0

Disc drives: 3.5": 720 kb; 5.25": 360 kb

Number of floppy discs in programme: 1 RAM required: kb 100

Hard disc required: no Megabytes:

Monitor & graphics card: CGA

Sound: no

Programme copy protected: yes Computer programme language: Basic

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Paleontology, Data Acquisitions

Title: Expal 1.41

Brief Summary of Contents: Software for paleontology used to build databases and automatically identify/compare fossils using morphological descriptors. Available databases (1992): Dasycladales (calcareous green algae from the Paleozoic, the Mesozoic and the Cerozoic; planktic foraminifers from the Mesozoic.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Mr. Y. Conrad
Organization: Petroconsultants S.A.
Address: 8-10 Rue Muzy
P.O. Box 228
1211 Geneva 6
Country: Switzerland
Telephone number: 41 22-7368811
Telefax number: 41 22 7862852

Release Date: **Planned Future Release Date:** version 2.0 end 1992

ISBN Number: **Rental Price:**

Sale Price: 6,000 Swiss Francs **Rental Period:**

Permission or License Required: license for single or multi-use

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT, 80286, 80386, 80486 DOS level:

Disc drives: 3.5": 1.44 Mb; 5.25": 1.2 Mb

Number of floppy discs in programme: 1 RAM required: 550 kb

Hard disc required: yes Megabytes: depending on size of database(s)

Monitor & graphics card: CGA, EGA, VGA

Sound: no

Programme copy protected: no Computer programme language: Turbo Pascal

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Paleoceanography, Tectonics

Title: Time-Machine Earth, Professional Edition

Brief Summary of Contents: Draws past and future earth images with continental drift geologically correct for any year. Presentation control and laser printer hardcopy. User modification of continent position and labels. Includes multiple overlay maps and blink comparison between any two views. Maps may be used in publications.

Language(s): English

Intended User Level: secondary school, undergraduate university, advanced

Provider or Producer: **Name:** Edwin Smith
Organization: Sageware Corporation
Address: 1282 Garner Avenue
Schenectady, New York 12309 **Telephone number:** 1 518 377-1052
Country: USA **Telefax number:**

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $245 **Rental Period:**

Permission or License Required: site license available

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT DOS level: 2.0

Disc drives: 3.5": 720 kb; 5.25": 360 kb

Number of floppy discs in programme: 1 RAM required: kb 256

Hard disc required: no Megabytes:

Monitor & graphics card: CGA, HGC, EGA, VGA, Super VGA (VGA+)

Sound: no

Programme copy protected: no Computer programme language: C

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Paleoceanography, Tectonics

Title: Time-Machine Earth, Personal Edition

Brief Summary of Contents: Shows evolution of the earth's surface over 500 million years, through satellite and variable magnification views. Produces images and maps for any viewing angle and year. Includes multiple overlay maps, dot-matrix printer output, and blink comparison between any two views.

Language(s): English

Intended User Level: secondary school, undergraduate university

Provider or Producer: **Name:** Edwin Smith
Organization: Sageware Corporation
Address: 1282 Garner Avenue
Schenectady, New York 12309
Country: USA
Telephone number: 1 518 377-1052
Telefax number:

Release Date: 1991
Planned Future Release Date:

ISBN Number:
Rental Price:

Sale Price: US $69.95
Rental Period:

Permission or License Required: site license available

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT
DOS level: 2.0

Disc drives: 3.5": 720 kb; 5.25": 360 kb

Number of floppy discs in programme: 1
RAM required: kb 256

Hard disc required: no
Megabytes:

Monitor & graphics card: CGA, HGC, EGA, VGA

Sound: no

Programme copy protected: no
Computer programme language: C

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Other — Data Acquisition

Secondary Key Words: Data Acquisition

Title: CDS Assistant

Brief Summary of Contents: An intermediary software which facilitates (a) create paint/display format for use with the UNESCO-sponsored CDS/ISIS software through a sequence of queries and (b) translate text files generated by either SCIMATE or PAPERBASE bibliographic software to a format (ISO 2709) that may be imported to CDS/ISIS.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** F.C. Gayanilo, Jr.
Organization: Center for Living Aquatic Resources Management
Address: MC P.O. Box 1501
Makati
Metro Manila
Country: Philippines
Telephone number: 632 818-0466
Telefax number: 632 816-3183

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $15 **Rental Period:**

Permission or License Required:

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT DOS level: 3.0

Disc drives: 5.25": 360 kb

Number of floppy discs in programme: 1 RAM required: kb 512

Hard disc required: no Megabytes:

Monitor & graphics card: no

Sound: no

Programme copy protected: no Computer programme language: MS Quick Basic

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Other — Remote Sensing

Secondary Key Words: Satellite, Aircraft

Title: Applications of Marine and Coastal Image Data

Brief Summary of Contents: Twenty-two lessons (in three stand-alone modules) written by scientists from around the world on a variety of marine and coastal phenomena-local, regional and basin-wide.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dirk G. Troost
Organization: UNESCO, TREDMAR
Address: 1, rue Miollis
75015 Paris
Country: France
Telephone number: 33 1 4568 3971
Telefax number: 33 1 4783 5940

Release Date: 1989, 1991, 1992 **Planned Future Release Date:** 1993, 1994

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required: no

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT, 80286, 80386, 80486 DOS level:

Disc drives: 3.5": 1.44 Mb; 5.25": 1.2Mb

Number of floppy discs in programme: 5 & 5; 6 & 5 RAM required: 640 kb

Hard disc required: no but preferred Megabytes: 10

Monitor & graphics card: EGA, VGA

Sound: no

Programme copy protected: no Computer programme language:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Circulation, Fluid Dynamics

Title: A View of the Sea

Brief Summary of Contents: This disk contains a series of programs which help the reader develop an understanding of the balance of forces involved in models of the steady ocean circulation, driven by wind and buoyancy forcing. Many of the ideas are at the forefront of our understanding of the ocean circulation.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** William Banks
Organization: Market Bookshop
Address: Depot Avenue
Falmouth, Massachusetts 02540
Country: USA
Telephone number: 1 508 548-5636
Telefax number:

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $20 **Rental Period:**

Permission or License Required: no

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT DOS level: 3.0

Disc drives: 5.25": 360 kb

Number of floppy discs in programme: 1 RAM required: kb 640

Hard disc required: no Megabytes:

Monitor & graphics card: CGA, EGA, VGA

Sound: no

Programme copy protected: no Computer programme language: Basic

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Isotherm Delineation, Imaging

Title: A PC-Based Interactive Graphics System to Perform Satellite-Derived Oceanographic Thermal Analysis

Brief Summary of Contents: Develop methods to improve upon manual methods of ocean feature and isotherm delineation by using a combination of automated and interactive computer techniques.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** M. Weaks, K. Buttleman, and W.B. Campbell
Organization: National Environmental Satellite
Data and Information Service, NOAA
Address: Satellite Services Division
5200 Auth Road
NOAA Science Center
Camp Springs, Maryland 20746 **Telephone number:** (301) 763-8051
Country: USA **Telefax number:** (301) 763-8131

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT, or higher DOS level: 3.0

Disc drives: 5.25": 1.2 Mb

Number of floppy discs in programme: 3 RAM required: 640kb

Hard disc required: yes Megabytes: 20

Monitor & graphics card: CGA, EGA, VGA; other: number 9 co. 512x32 graphics board

Sound: no

Programme copy protected: no Computer programme language: C

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Tables, Environment

Title: Applied Environmetrics Oceanographic Tables

Brief Summary of Contents: Tidal prediction tables; physical properties of seawater; geodetic tables and ekman spirals; wind wave and ideal wave properties; solar position, sunrise-sunset times; beaufort scale and wind speed conversions; saturation vapour pressures, latent heats; dynamic oceanography; transport properties of water; blackbody radiation; sedimentation rate for particles; dissolved O_2 and N_2 in seawater; normal and chi-squared distributions; and Weibull distribution.

Language(s): English

Intended User Level: general, undergraduate university, advanced

Provider or Producer: **Name:** Dr. Tom Beer
Organization: Applied Environmetrics
Address: 118 Gordon Street
Balwyn, Victoria 3103
Country: Australia
Telephone number: 61 381 72571
Telefax number: 61 381 69618

Release Date: 1989 **Planned Future Release Date:**

ISBN Number: 0-9590809-2-9 **Rental Price:**

Sale Price: US $124.95 **Rental Period:**

Permission or License Required: no

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: ST, 80286, 80386, 80486 DOS level: >2.10

Disc drives: 3.5": 720 kb' 5.25": 360 kb

Number of floppy discs in programme: 1 RAM required: kb 256

Hard disc required: no Megabytes:

Monitor & graphics card: any

Sound: no

Programme copy protected: no Computer programme language: MS DOS executable files

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Physical Oceanography, General Oceanography

Title: Atlast: A World Ocean Atlas of Hydrography, Nutrients and Chemical Tracers

Brief Summary of Contents: Atlast is an electronic atlas which allows the sciencist to plot and examine hydrographic and tracer section data collected by ships. For example, vertical profiles of temperature or salinity may be plotted. Approximately 100 hydrographic-data sections are included.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Ruby Lassanyi
Organization: JPL Physical Oceanography Distributed Active Archive Center
Address: MS 300-320
JPL-4800 Oak Grove Drive
Pasadena, CA 91109
Country: USA
Telephone number: 1 818 354-0906
Telefax number: 1 818 393-6720

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: free **Rental Period:**

Permission or License Required: no

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT, 80286, 80386, 80486 DOS level:

Disc drives: 3.5": 720 kb

Number of floppy discs in programme: 5 RAM required: Mb 1-2

Hard disc required: yes Megabytes: 10 or less

Monitor & graphics card: CGA, EGA, VGA, Super VGA (VGA+); Other: monochrome, color

Sound: no

Programme copy protected: no Computer programme language:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Oceanography, PC-based Workstation

Title: Coastal and Esturine Oceanographic Applications Using a PC-Based Workstation

Brief Summary of Contents: The use of the PC-based Interactive Digital Workstation Image Display and Analysis System (IDIDS) workstation for coastal and estuarine oceanographic applications is presented.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** W. Tseng, P. Celone, K, Buttleman, and M. Weaks
Organization: National Environmental Satellite Data and Information Service, NOAA
Address: Satellite Services Division
5200 Auth Road
NOAA Science Center
Camp Springs, Maryland 20746 **Telephone number:** (301) 763-8142
Country: USA **Telefax number:** (301) 763-8131

Release Date: 1992 (version) **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

C. puter Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or compatible: XT or above DOS level: 3.0

Disc drives: 5.25": 1.2 Mb

Number of floppy discs in programme: 3 RAM required: 640 kb

Hard disc required: yes Megabytes: 20

Monitor & graphics card: CGA, EGA, VGA, other: Number 9 co. 512x32 graphics board

Sound: no

Programme copy protected: no Computer programme language: C

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Currents, Sediment

Title: Handbook Sediment Transport by Currents and Waves: TRANSP Program

Brief Summary of Contents: Information of sediment properties, initiation of motion, roughness, bed load, and suspended load transport.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Leo C. van Rijn
Organization: Delft Hydraulics
Address: P.O. Box 177
2600 MH Delft
Country: The Netherlands
Telephone number: 31 5274 2922
Telefax number: 31 5274 3573

Release Date: 1989 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $175 **Rental Period:**

Permission or License Required: no

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT DOS level:

Disc drives: 3.5": 720 kb

Number of floppy discs in programme: 1 RAM required:

Hard disc required: no Megabytes:

Monitor & graphics card: CGA, HGC, EGA, VGA

Sound: no

Programme copy protected: no Computer programme language: Fortran

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Physical Oceanography, Remote Sensing

Title: Imagic (version 0.9d52.0)

Brief Summary of Contents: Imagic is an image-processing software package for the Apple Macintosh II. It is useful for working with any type of data that can be viewed as a two-dimensional image. It was written primarily to process satellite derived imagery.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Ruby Lassanyi
Organization: JPL Physical Oceanography Distributed Active Archive Center
Address: MS 300-320
JPL-4800 Oak Grove Drive
Pasadena, CA 91109
Country: USA
Telephone number: 1 818 354-0906
Telefax number: 1 818 393-6720

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: free **Rental Period:**

Permission or License Required: no

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: Macintosh DOS level:

Disc drives: 3.5": 720 kb

Number of floppy discs in programme: 1 RAM required: Mb 2

Hard disc required: yes Megabytes: no minimum requirement

Monitor & graphics card: Other: color

Sound: no

Programme copy protected: no Computer programme language:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Circulation, Coastal

Title: Net Circulation in Estuaries

Brief Summary of Contents: A programme based on water and salt budgets of Puget Sound, a complex estuary. Calculates net fluxes of two-layer estuary circulation required for steady state conditions based on monthly means of salinity and river flows. Modifies net flows by recirculation of water at mixing sills. Contains its own data files, but can be adapted to analyze any estuary.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Prof. Alyn C. Duxbury
Organization: University of Washington
Address: School of Oceanography
Seattle, Washington 98195
Telephone number: 1 206 543-3131
Country: USA
Telefax number:

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: cost of disk **Rental Period:**

Permission or License Required: no

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: Macintosh **DOS level:**

Disc drives: 3.5": 720 kb

Number of floppy discs in programme: 1 **RAM required:**

Hard disc required: no Megabytes:

Monitor & graphics card: other: monochrome

Sound: no

Programme copy protected: no Computer programme language: True Basic 2.0

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: General, Synoptic/Descriptive

Title: Ocean Atlas 1.0

Brief Summary of Contents: The program allows one to examine and plot hydrographic and tracer section data. It provides a graphic exploration environment which includes: an active data window, calculation of potential temperature and density, interpolations, station position maps, sequenced property-property plots colored by a third variable, scatter-type property-property plots colored by a third variable, lateral/vertical wireframe "horizons" of interpolated section data, contoured sections of interpolated data, data export to reports and spreadsheets.

Language(s): English

Intended User Level: advanced

Provider or Producer: **Name:** Elizabeth A. Smith
Organization: NASA Ocean Data System
Address: Jet Propulsion Lab
4800 Oak Grove Drive
Pasadena, California 91109 **Telephone number:** 1 818 354-6980
Country: USA **Telefax number:**

Release Date: yes **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: free distribution **Rental Period:**

Permission or License Required: restriction on distribution

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: Macintosh 68020 DOS level:

Disc drives: 3.5": 720 kb, 1.44 kb

Number of floppy discs in programme: 2 RAM required: Mb 1

Hard disc required: no Megabytes:

Monitor & graphics card: Mac, color

Sound: no

Programme copy protected: no Computer programme language: Compiled

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Physical Oceanography, General Oceanography

Title: Ocean Atlas for Macintosh; A Microcomputer Application for Examining Oceanographic Data

Brief Summary of Contents: Ocean Atlas allows the scientist to plot and examine hydrographic and tracer section data selected by ships. Vertical profiles of temperature or salinity may, for example, be plotted. Approxomately 50 hydrographic-data sections are included.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Ruby Lassanyi
Organization: JPL Physical Oceanography Distributed Active Archive Center
Address: MS 300-320
JPL-4800 Oak Grove Drive
Pasadena, CA 91109
Country: USA
Telephone number: 1 818 354-0906
Telefax number: 1 818 393-6720

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: free **Rental Period:**

Permission or License Required: no

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: Macintosh DOS level:

Disc drives: 3.5": 720 kb

Number of floppy discs in programme: 2 RAM required: Mb 1-2

Hard disc required: yes Megabytes: 10 or less

Monitor & graphics card: Other: color

Sound: no

Programme copy protected: no Computer programme language:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Currents, Transport of Matter

Title: Transport Atlas of the Southern North Sea

Brief Summary of Contents: Contains basic information concerning the transport of matter that enters the southern North Sea across its boundaries and through river inflows. It enables the user to simulate own discharge scenarios.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Tidal Waters Division
Organization: Rijkswaterstaat
Address: Van Alkemadelaan 400
2597 AT The Hague **Telephone number:**
Country: The Netherlands **Telefax number:**

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT or higher DOS level:

Disc drives:

Number of floppy discs in programme: 1 RAM required:

Hard disc required: Megabytes:

Monitor & graphics card:

Sound:

Programme copy protected: Computer programme language:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Environmental Quality, Pollutant Transport

Title: Transport Atlas of the Southern North Sea

Brief Summary of Contents: Atlas of transport of river water in the southern North Sea together with computer programme to compute concentrations of conservative substances in the North Sea.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** J.A.G. van Gils
Organization: Delft Hydraulics
Address: P.O. Box 177
2600 MH Delft
Country: The Netherlands
Telephone number: 31 15 569353
Telefax number: 31 15 619674

Release Date: 1986 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $35 **Rental Period:**

Permission or License Required: no

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT DOS level: 2.0

Disc drives: 5.25": 360 kb

Number of floppy discs in programme: 1 RAM required: kb 512

Hard disc required: no Megabytes:

Monitor & graphics card: CGA, HGC, EGA

Sound: no

Programme copy protected: no Computer programme language: Executable

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Ports, Harbors

Title: Port Decision Making Process

Brief Summary of Contents: Module 1 of three modules. This module shows how to improve strategic and tactical decisions at your port, harbor or marina, how to more effectively allocate scarce decision making time and resources. The module also includes a VHS video tape (see Form B) and instruction manual.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Frederick J. Smith
Organization: Oregon State University
Address: Corvallis, Oregon 97331 **Telephone number:** 1 503 737-1429
Country: USA **Telefax number:** 1 503 737-2563

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $50/day

Sale Price: US $900 **Rental Period:**

Permission or License Required:

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT, 80286 DOS level: 2.1

Disc drives: 5.25": 360kb

Number of floppy discs in programme: 2 RAM required: 64

Hard disc required: no Megabytes:

Monitor & graphics card:

Sound:

Programme copy protected: no Computer programme language: Basic

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Ports, Harbors

Title: Port Management Information and Analysis

Brief Summary of Contents: Module 2 of three modules. Presents management information including budgets, income and expense accounts, enterprise accounts and balance sheets; how to more effectively use this information and how to improve the quality of information available. The module also includes a VHS video tape (see Form B) and instruction manual.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Frederick J. Smith
Organization: Oregon State University
Address: Corvallis, Oregon 97331 **Telephone number:** 1 503 737-1429
Country: USA **Telefax number:** 1 503 737-2563

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $50/day

Sale Price: **Rental Period:**

Permission or License Required:

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT, 80286 DOS level: 2.1

Disc drives: 5.25": 360kb

Number of floppy discs in programme: 2 RAM required: 64

Hard disc required: no Megabytes:

Monitor & graphics card: EGA

Sound:

Programme copy protected: no Computer programme language: Basic

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Ports, Harbors

Title: Ports and the Local Economy

Brief Summary of Contents: Module 3 of three modules. Teaches about the economic connection between your port, harbor and marina, and the local ecomomy, your economic impact, and how to effectively use this information for administration. The module also includes a VHS video tape (see Form B) and instruction manual.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Frederick J. Smith
Organization: Oregon State University
Address: Corvallis, Oregon 97331 **Telephone number:** 1 503 737-1429
Country: USA **Telefax number:** 1 503 737-2563

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $50/day

Sale Price: US $900 **Rental Period:**

Permission or License Required:

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT, 80286 DOS level: 2.1

Disc drives: 5.25": 360kb

Number of floppy discs in programme: 2 RAM required: 64

Hard disc required: no Megabytes:

Monitor & graphics card: EGA

Sound:

Programme copy protected: no Computer programme language: Basic

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Navigation, Collision Regulation

Title: Ship's Lights, Shapes and Sound Signals

Brief Summary of Contents: Concerns the Internation Rules for Prevention of Collisions at Sea. Contains tutorial and testing programs for ship's lights, shapes and sound signals.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Director
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1/2 Ramillies Street
London W1V 1DF **Telephone number:** 44 71 439 6301
Country: UK **Telefax number:**

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £350 **Rental Period:**

Permission or License Required: yes

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM Or Compatible XT DOS level: 3.3

Disc drives: 3.5": 720 kb; 5.25": 360kb

Number of floppy discs in programme: 1 RAM required:

Hard disc required: yes Megabytes:

Monitor & graphics card: EGA

Sound: no

Programme copy protected: yes Computer programme language:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

A. COMPUTER-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Coastal engineering, modelling

Title: UNIBEST

Brief Summary of Contents: This program shows the capabilities of the UNIBEST coastline modelling package as a supporting tool in coastal engineering practice.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Director
Organization: Delft Hydraulics
Address: P.O. Box 152
8300 AD Emmeloord
Country: The Netherlands
Telephone number: 31 5274 2922
Telefax number: 31 5274 3573

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $35 **Rental Period:**

Permission or License Required:

Computer Type and Hardware Specifications (minimum requirements)

Computer Type: IBM or Compatible: XT DOS level:

Disc drives:

Number of floppy discs in programme: 2 RAM required:

Hard disc required: yes Megabytes: 1.5 Mb

Monitor & graphics card: VGA

Sound:

Programme copy protected: Computer programme language:

B. VIDEO-BASED LEARNING MATERIAL INVENTORY

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UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Mariculture, Algae

Title: A Guide to Seamoss Farming in the West Indies

Brief Summary of Contents: The methods used in the eastern Caribbean for the cultivation of edible seaweeds.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Allan Smith
Organization: Eastern Caribbean Natural Area Management Programme
Address: Bergasse Building
Clarke Street
Vieux-Fort, St Lucia **Telephone number:** 809 45-46878 and 45-46060
Country: West Indies **Telefax number:** 809 45-45188

Release Date: 1987 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: free to institutions **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC

Video format: VHS

Length (minutes): 25 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Algae, Ecology

Title: A Guided Walk Through the Kelp Forest

Brief Summary of Contents: Live video footage of the kelp forest habitat in the Channel Islands National Park. No narration on video. Past tapes are available through the Channel Islands National Park.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Dana Smith
Organization: Channel Islands National Park
Address: 1901 Spinnaker Drive
Ventura, California 93001
Country: USA
Telephone number: 1 805 658-5700
Telefax number: 1 805 658-5799

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): Colour:

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Cetacean, Mammals

Title: Beyond Belief: The Humpback Whale

Brief Summary of Contents: Highlights physical descriptions and attributes of humpback whales. Identification of individuals covered. Over 3200 hours of video footage taken to produce. Shows several feeding methods and all common behaviors common to this species. Several unusual, and quite rare and unexplained behaviors are shown.

Language(s): English

Intended User Level: general, secondary school

Provider or Producer: **Name:** A. Daniel Knaves
Organization: Cetacean Video
Address: P.O. Box 1052
Mechanicsburg, Pennsylvania 17055 **Telephone number:** 1 717 763-9507
Country: USA **Telefax number:**

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $29.95 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS

Length (minutes): 50 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Pollution, Ecology

Title: Chesapeake: The Twilight Estuary

Brief Summary of Contents: An environmental mystery story illustrating the causes for the system-wide decline of sea grasses throughout the Chesapeake Bay, once the USA's most productive estuary.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Michael W. Fincham
Organization: Maryland Sea Grant
Address: College Park, Maryland 20742 **Telephone number:** 1 301 405-6382
Country: USA **Telefax number:** 1 301 314-9581

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $50 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 39 Colour:

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Mangrove, Habitat

Title: Creatures of the Mangrove

Brief Summary of Contents: Journey to the tiny island of Siarau on the northwest coast of Borneo, where a tidal mangrove survives. Caught between land and sea, the forest and its creatures, it has adapted in bizarre ways to the daily flooding of its habitat. Experience a saltwater wilderness still untouched by man.

Language(s): English

Intended User Level: all levels

Provider or Producer: **Name:** Director
Organization: National Geographic Society
Address: P.O. Box 2895
Washington, DC 20013-2895
Country: USA
Telephone number: 1 800 368-2728
Telefax number: 1 301 921-1575

Release Date: 1986 **Planned Future Release Date:**

ISBN Number: 0-8051-0533-0 **Rental Price:**

Sale Price: US $19.95 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 59 Colour:

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Mediterranean, Life Science

Title: Ecologie Benthique Méditerranéenne (Mediterranean Benthic Ecology)

Brief Summary of Contents: Illustrates the variety of Mediterranean marine biotopes and demonstrates the principles governing the distribution of organisms in the sea. The first part deals with relationships between aerial (land) morphology and submarine topography. The second part introduces the major bionomic units and their main characteristics. (Also available in film. See Form C.)

Language(s): French

Intended User Level: undergraduate university, graduate

Provider or Producer: **Name:** Centre National de la Recherche Scientifique
Organization: CNRS Audiovisuel
Address: 1 Place Aristide Briand
92195 Meudon Cedex
Country: France
Telephone number: 33 45 34 75 50
Telefax number: 33 46 28 49

Release Date: 1980 **Planned Future Release Date:**

ISBN Number: **Rental Price:** FF130/week

Sale Price: FF400 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 30 Colour: yes

Tape width (inches): 3/4

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Mariculture, Algae

Title: El Cultivo del Alga Gracilaria

Brief Summary of Contents: It describes the different methods of culturing the red algae, *Gracilaria*, in Chile. This video is designed to transfer algae culture methods to the artisanal fishermen in Latin America. The pack includes a video, a set of six poster-like drawings, a set of 120 slides, and instruction manual for artisanal fishermen and a technical manual for fisheries extensionist.

Language(s): Spanish

Intended User Level: general

Provider or Producer: **Name:** Eduardo Tarifeño
Organization: Project "Fisheries Technology Transfer in Latin America"
Address: Universidad Catolica Ssma. Concepcion
Casilla 127 - Talcahuano **Telephone number:**
Country: Chile **Telefax number:** 056 041-546177

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $150 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC 3.58

Video format: VHS

Length (minutes): 20 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Mariculture, Molluscs

Title: El Cultivo del Choro Zapatao en Chile

Brief Summary of Contents: It deals with the mariculture of the giant black mussel, *Choromytilus chorus*, in Chile. The biology of the mussel, its habitat and way of culture are described. The pack includes a video, a set of six poster-like drawings a set of 120 slides, and instruction manual for artisanal fishermen and a technical manual for fisheries extensionist.

Language(s): English and Spanish

Intended User Level: general

Provider or Producer: **Name:** Eduardo Tarifeño
Organization: Project "Fisheries Technology Transfer in Latin America"
Address: Universidad Catolica Ssma. Concepcion
Casilla 127 - Talcahuano **Telephone number:**
Country: Chile **Telefax number:** 056 041-546177

Release Date: 1986 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $55 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC 3.58

Video format: VHS

Length (minutes): 18 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Mariculture, Molluscs

Title: El Cultivo del Ostion del Norte

Brief Summary of Contents: The video deals with the culturing methods of the scallop (*Argopecten purpuartus*) used in Chile. It is oriented to transfer scallop culture technology to atrisanal fishermen in Chile and Peru. The pack includes a video, a set of six poster-like drawings, a set of 120 slides, and instruction manual for artisanal fishermen and a technical manual for fisheries extensionist.

Language(s): Spanish

Intended User Level: general

Provider or Producer: **Name:** Eduardo Tarifeño
Organization: Project "Fisheries Technology Transfer in Latin America"
Address: Universidad Catolica Ssma. Concepcion
Casilla 127 - Talcahuano **Telephone number:**
Country: Chile **Telefax number:** 056 041-546177

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $150 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC 3.58

Video format: VHS

Length (minutes): 20 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Environment, Coral Reefs

Title: Encounters With the Reef

Brief Summary of Contents: An educational documentary that tells the story of the structure and evolution of the Great Barrier Reef. It provides a fascinating insight into how the greatest living structure on earth was built and continues to grow along 2200 km of the Queensland coastline.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Director
Organization: Great Barrier Reef Aquarium
Address: P.O. Box 1379
Townsville, Queensland 4810 **Telephone number:** 61 77 81 8875
Country: Australia **Telefax number:**

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: Australian $45.50 (includes postage) **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 20 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Fish, Economics

Title: Estuary: Columbia's Link With the Sea

Brief Summary of Contents: The video examines the complex relationship between the biological and economic demands of the Pacific Northwest's largest river, the Columbia, and its estuary. It shows how upriver use of water affects salmon and other wildlife found i the estuary and relates this to the health of the fishing and tourist industries in the Astoria, Oregon, area.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Director
Organization: Sea Grant Communications
Address: Oregon State University
Administrative Services A402
Corvallis, Oregon 97331-2134
Country: USA
Telephone number: 1 503 737-2716
Telefax number: 1 503 737-2392

Release Date: 1982 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $20

Sale Price: US $25 **Rental Period:** 1 month

Permission or License Required: contact Sea Grant Communications

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 28 Colour: yes

Tape width (inches): ½ or 3/4

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Aquaculture, Resources

Title: Farmers of the Sea

Brief Summary of Contents: The video explores the business of aquaculture around the world, comparing ventures in China, Japan, and Europe to those in the United States. This is a condensed version of a documentary produced for the Public Broadcasting Service science program, NOVA. (Also available in film. See Form C.)

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Director
Organization: Sea Grant Communications
Address: Oregon State University
Administrative Services A402
Corvallis, Oregon 97331-2134
Country: USA
Telephone number: 1 503 737-2716
Telefax number: 1 503 737-2392

Release Date: 1987 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $20

Sale Price: US $25 **Rental Period:** 1 month

Permission or License Required: contact Sea Grant Communications

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 30 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Mammals, Whales

Title: Gray Whale

Brief Summary of Contents: The video features OSU scientist Bruce Mate as he uses radio transmitters, shore-based monitoring stations, and airplane-mounted radio receivers to study the diving patterns, behavior, and movements of gray whales. (Also available in film. See Form C.)

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Director
Organization: Sea Grant Communications
Address: Oregon State University
Administrative Services A402
Corvallis, Oregon 97331-2134
Country: USA
Telephone number: 1 503 737-2716
Telefax number: 1 503 737-2392

Release Date: 1982 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $5

Sale Price: US $25 **Rental Period:** 1 month

Permission or License Required: contact Sea Grant Communications

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 8 Colour: no

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Corals, Ecology

Title: Jardin de la Vie (The Coral Garden)

Brief Summary of Contents: An undersea visit to the beautiful reefs of the Djibouti region. Pictures of various shapes of coral colonies illustrate the subject of coral biology, the invertebrates and fish that find shelter there. Shots of impoverished areas indicate threats to this coral garden. (Also available in film. See Form C.)

Language(s): French

Intended User Level:

Provider or Producer: **Name:** Centre National de la Recherche Scientifique
Organization: CNRS Audiovisuel
Address: 1 Place Aristide Briand
92195 Meudon Cedex
Country: France
Telephone number: 33 45 34 75 50
Telefax number: 33 46 28 49

Release Date: 1986 **Planned Future Release Date:**

ISBN Number: **Rental Price:** FF130/week

Sale Price: FF400 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 16 Colour: yes

Tape width (inches): 3/4

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Fisheries Assessment, Marketing

Title: La Comercializacion en la Pesca Artisanal

Brief Summary of Contents: The video describes the elements that participate in the marketing of a product from the artisanal fishery. The role of fishermen, brokers and consumers are discussed. The pack includes a video, a set of six poster-like drawings, a set of 120 slides, and instruction manual for artisanal fishermen and a technical manual for fisheries extensionist.

Language(s): Spanish

Intended User Level: general

Provider or Producer: **Name:** Eduardo Tarifeño
Organization: Project "Fisheries Technology Transfer in Latin America"
Address: Universidad Catolica Ssma. Concepcion
Casilla 127 - Talcahuano **Telephone number:**
Country: Chile **Telefax number:** 056 041-546177

Release Date: 1984 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $55 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC 3.58

Video format: VHS

Length (minutes): 18 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Fisheries Assessment, Molluscs

Title: La Pesca de la Navajuela en la Bahia de Concepcion

Brief Summary of Contents: It deals with fishing method used to harvest the razor clam, *tagelus dombeii*, by artisanal fishermen at Concepcion Bay, Chile. The bivalve's habitat, fishing methods used and the way of processing are shown, and suggestions for improving food quality are made. The pack includes a video, a set of six poster-like drawings, a set of 120 slides, and instruction manual for artisanal fishermen and a technical manual for fisheries extensionist.

Language(s): Spanish

Intended User Level: general

Provider or Producer: **Name:** Eduardo Tarifeño
Organization: Project "Fisheries Technology Transfer in Latin America"
Address: Universidad Catolica Ssma. Concepcion
Casilla 127 - Talcahuano **Telephone number:**
Country: Chile **Telefax number:** 056 041-546177

Release Date: 1984 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $55 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC 3.58

Video format: VHS

Length (minutes): 18 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Fish, Fisheries Assessment

Title: La Pesca de la Sardina Común en la Bahia de Concepcion, Chile

Brief Summary of Contents: Provides a description of the common sardine, *Clupea bentincki*, fishery at Concepcion Bay, Chile. The video shows the fish's habitat, fishing methods used by artisanal fishermen and plant processing. Better methods for food processing are presented. The pack includes a video, a set of six poster-like drawings, a set of 120 slides, and instruction manual for artisanal fishermen and a technical manual for fisheries extensionist.

Language(s): Spanish

Intended User Level: general

Provider or Producer: **Name:** Eduardo Tarifeño
Organization: Project "Fisheries Technology Transfer in Latin America"
Address: Universidad Catolica Ssma. Concepcion
Casilla 127 - Talcahuano **Telephone number:**
Country: Chile **Telefax number:** 056 041-546177

Release Date: 1984 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $55 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC 3.58

Video format: VHS

Length (minutes): 18 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Fisheries Assessment, Invertebrates

Title: Los Buzos Mariscadores

Brief Summary of Contents: It describes the work of the shell fish divers at Concepcion Bay, Chile. The health problems, the fishing gear, and the resources exploited by the divers are shown. Suggestions to transform divers from gatherers to cultivators are made. The pack includes a video, a set of six poster-like drawings, a set of 120 slides, and instruction manual for artisanal fishermen and a technical manual for fisheries extensionist.

Language(s): Spanish

Intended User Level: general

Provider or Producer: **Name:** Eduardo Tarifeño
Organization: Project "Fisheries Technology Transfer in Latin America"
Address: Universidad Catolica Ssma. Concepcion
Casilla 127 - Talcahuano **Telephone number:**
Country: Chile **Telefax number:** 056 041-546177

Release Date: 1986 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $55 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC 3.58

Video format: VHS

Length (minutes): 18 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Mariculture, Algae

Title: Manejo y Cultivo de Gracilaria en Caleta Lenga, Chile

Brief Summary of Contents: The videotape deals with the management and culture of the natural red algae, *Gracilaria*, bed by artisanal fishermen at Lenga Cove, Chile. The pack includes a video, a set of six poster-like drawings, a set of 120 slides, and instruction manual for artisanal fishermen and a technical manual for fisheries extensionist.

Language(s): English and Spanish

Intended User Level: general

Provider or Producer: **Name:** Eduardo Tarifeño
Organization: Project "Fisheries Technology Transfer in Latin America"
Address: Universidad Catolica Ssma. Concepcion
Casilla 127 - Talcahuano **Telephone number:**
Country: Chile **Telefax number:** 056 041-546177

Release Date: 1986 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $55 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC 3.58

Video format: VHS

Length (minutes): 18 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Ecology, Microbiology

Title: Microbial Engine: Algae and Protozoa: Ecology to Biotechnology

Brief Summary of Contents: The video illustrates the crucial function of algae and protozoa in the biological processes that support life on Earth and their role in the new science of biotechnology. It includes fascinating sequences of microscopic algae and protozoa from a wide range of habitats and explores the vital ecological roles for these organisms in relation to current problems of toxic algal blooms, acid rain and climate change. (Sale Price: Schools UK £19.95; Higher Education £29.95; Other purchasers £49.95 plus postage)

Language(s): English

Intended User Level: general, secondary school, undergraduate university

Provider or Producer: **Name:** Jean Tompkins
Organization: Culture Collection of Algae and Protozoa (CCAP)
Address: Institute of Freshwater Ecology
Windermere Laboratory
Raf Sawrey
Ambleside, Cumbria LA22 0LP
Country: UK
Telephone number: 44 5394 42468
Telefax number: 44 5394 46914

Release Date: 1989 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: see Summary **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL

Video format: VHS

Length (minutes): 35 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Mariculture, Fish

Title: Ocean Ranching

Brief Summary of Contents: The program portrays the history of Alaska's salmon hatchery programs and describes the year-round procedures of present-day operations.

Language(s): English

Intended User Level: general, secondary school

Provider or Producer: **Name:** Debora Mercy
Organization: University of Alaska
Address: Sea Grant Marine Advisory Program
Anchorage, Alaska
Country: USA
Telephone number: 1 907 274-9691
Telefax number: 1 907 277-5242

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:** free, postage only

Sale Price: US $15 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC

Video format: VHS

Length (minutes): 29 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Resources, Oceanography

Title: Oceans of Wealth

Brief Summary of Contents: Six programmes in this series have the following titles: *These Ocean Commons, Salts of the Earth, Making Waves And Pipe Dreams, Fruits de Mer, The Lost Frontiers on Earth, Resources from the Sea.*

Language(s): English

Intended User Level: general, secondary school, undergraduate university

Provider or Producer: **Name:** Stephen Bond
Organization: Living Tape Productions
Address: 3rd Floor, Ramillies House
2 Ramillies Street
London W1V 2EL
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: on application **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: any format

Video format: any format

Length (minutes): 30 each Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Fish Farming, Salmon/Squid

Title: Oceans of Wealth: Part 3 - Fruits de Mer

Brief Summary of Contents: Looks at the change and development of fish farming. Describes salmon farming in Scotland and squid fishing in the Falklands.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £=300 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 26 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Aquaculture, Fish

Title: Policultivos

Brief Summary of Contents: The video deals with experiences of fish polycultures at Neiva Regio, Colombia. It shows the different methods for outgrowing fishes, the advantages of polyculture system and a way for a cost-benefit analysis. This video is oriented to transfer the fish polyculture system to rural village peasants.

Language(s): Spanish

Intended User Level: general

Provider or Producer: **Name:** Armando Hernandez
Organization: IDRC Aquaculture Regional Net
Address: P.O. Box 251245
Bogota
Country: Colombia
Telephone number:
Telefax number: 2219321 Bogotá

Release Date: 1992 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required: no

Hardware Specifications

TV-video colour standard: NTSC 3.53

Video format: VHS

Length (minutes): 20 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Fisheries Assessment, Fisheries Management

Title: Primer Seminario Latinoamericano de Pesca Artisanal: Tecnologías y Desarrollo

Brief Summary of Contents: The video reviews the principal aspects of the Second Latin American Artisanal Fisheries seminar held at Talcahuano, Chile, January 1985. The seminar was sponsored by IDRC and Subsecretaria de Pesca, Chile. The pack includes a video, a set of six poster-like drawings, a set of 120 slides, and instruction manual for artisanal fishermen and a technical manual for fisheries extensionist.

Language(s): Spanish

Intended User Level: general

Provider or Producer: **Name:** Eduardo Tarifeño
Organization: Project "Fisheries Technology Transfer in Latin America"
Address: Universidad Catolica Ssma. Concepcion
Casilla 127 - Talcahuano **Telephone number:**
Country: Chile **Telefax number:** 056 041-546177

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $55 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC 3.58

Video format: VHS

Length (minutes): 37 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Invertebrates, Taxonomy (Indo-Pacific)

Title: Reef Corals and Sponges of Indonesia

Brief Summary of Contents: Identification and biology with underwater filming of numerous species, and computer simulations of reproduction, growth, etc.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Dr. Dirk G. Troost
Organization: UNESCO, TREDMAR
Address: 1, rue Miollis
75015 Paris
Country: France
Telephone number: 33 1 45683971
Telefax number: 33 1 47835940

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required: no

Hardware Specifications

TV-video colour standard: PAL, NTSC

Video format: VHS, Beta

Length (minutes): 210 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY -

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Corals, Sponges

Title: Reef Corals From Indonesia

Brief Summary of Contents: Overview of corals and sponges of Indonesia collected during the Snellius-II Expedition 1984-1985.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** G.M. Mapstone
Organization: Netherlands Marine Research Foundation
Address: Lann van Nieuw Oost Indië 131
2509 AB Den Haag
Country: The Netherlands
Telephone number: 31 70 3440780
Telefax number: 31 70 3832173

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 126 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Pollution, Chemical

Title: Response to Marine Chemical Spills: Programme One - The Risk

Brief Summary of Contents: The four programs in this series have the following titles: The Risk (23 min.); Assessment and Analysis (4 min.); Response Options (4 min.); Contingency Planning, Operations and Training (4 min.)

Language(s): English, French

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Stephen Bond
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1/2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 71 439 6301
Telefax number: 71 437 0631

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: on application **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: any format

Video format:

Length (minutes): 35 total Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Pollution, Pollutant Transport

Title: Response to Marine Oil Spills: Part 1 - The Oil Spill

Brief Summary of Contents: The film introduces the concept of an oil spill and demonstrates its potential consequences.

Language(s): English, French

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Stephen Bond
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1/2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 71 439 6301
Telefax number: 71 437 0631

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: on application **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: any format

Video format:

Length (minutes): 20 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Pollution, Pollutant Transport

Title: Response to Marine Oil Spills: Part 2 - Containment and Recovery

Brief Summary of Contents: The film examines the main techniques for the containment and recovery of spilled oil through the use of live action.

Language(s): English, French

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Stephen Bond
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1/2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 71 439 6301
Telefax number: 71 437 0631

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: on application **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: any format

Video format:

Length (minutes): 20 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Pollution, Pollutant Transport

Title: Response to Marine Oil Spills: Part 3 - The Use of Dispersants

Brief Summary of Contents: The film explores the role of dispersants in oil spill response. It explains the different types of dispersants that are available and describes their action and methods of application.

Language(s): English, French

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Stephen Bond
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1/2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 71 439 6301
Telefax number: 71 437 0631

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: on application **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: any format

Video format:

Length (minutes): 23 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Pollution, Pollutant Transport

Title: Response to Marine Oil Spills: Part 4 - Shore-line clean-up

Brief Summary of Contents: The film looks at the consequences of an oil spill reaching the shore and some of the ways of dealing with it. Different shore-line types are considered and attention is given to the use of coastal sensitivity maps as a convenient method for displaying this and other information in contingency plans.

Language(s): English, French

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Stephen Bond
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1/2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 71 439 6301
Telefax number: 71 437 0631

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: on application **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: any format

Video format:

Length (minutes): 17 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Pollution, Pollutant Transport

Title: Response to Marine Oil Spills: Part 5 - Planning and Operations

Brief Summary of Contents: The film follows the course of a hypothetical oil spill from source to shoreline over a period of weeks. The various stages of the response to an oil spill are described it is shown how the existence of a contingency plan is important.

Language(s): English, French

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Stephen Bond
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1/2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 71 439 6301
Telefax number: 71 437 0631

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: on application **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: any format

Video format:

Length (minutes): 27 Colour: yes

Tape width (inches):

91

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Ecology, Resources

Title: Saving the Seas

Brief Summary of Contents: Examines the global effects of pollution, over-fishing, whaling, coral reef destruction and coastal development and looks at some topical marine issues in Britain today.

Language(s): English

Intended User Level: general, secondary school

Provider or Producer: **Name:** ICCE
Organization: ICCE Services Ltd.
Address: Greenfield House
Guitting Power
Chettenham, Glos. GL54 5T2
Country: UK

Telephone number: 30 451 850 777
Telefax number: 30 451 850 705

Release Date: 1990

Planned Future Release Date:

ISBN Number: AVP 104

Rental Price:

Sale Price: UK £23.44

Rental Period:

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 18 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Fisheries Assessment, Fisheries Management

Title: Second Latin American Artisanal Fisheries Seminar: Toward an Integrated Coastal Development

Brief Summary of Contents: The video reviews the principal aspects of the Second Latin American Artisanal Fisheries seminar held at Talcahuano, Chile, January 1989. The pack includes a video, a set of six poster-like drawings, a set of 120 slides, and instruction manual for artisanal fishermen and a technical manual for fisheries extensionist.

Language(s): English and Spanish

Intended User Level: general

Provider or Producer: **Name:** Eduardo Tarifeño
Organization: Project "Fisheries Technology Transfer in Latin America"
Address: Universidad Catolica Ssma. Concepcion
Casilla 127 - Talcahuano **Telephone number:**
Country: Chile **Telefax number:** 056 041-546177

Release Date: 1989 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $55 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC 3.58

Video format: VHS

Length (minutes): 18 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Ecuador, Shrimp

Title: Shrimp Fever

Brief Summary of Contents: Over the last ten years Ecuador's shrimp industry, the second largest industry in the country, has caused the destruction of huge tracts of the coastal mangroves which have traditionally provided the larvae for fish ponds. Because of corruption and violence, the industry now risks destroying its own foundations.

Language(s): English, Spanish

Intended User Level: general

Provider or Producer: **Name:** Pamela Sayer
Organization: TVE
Address: 46 Charlotte Street
London W1P 1LX
Country: UK
Telephone number: 44 71 637 4602
Telefax number: 44 71 580 7780

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:** UK £10

Sale Price: UK £40 **Rental Period:** 1 week

Permission or License Required: Third world rights for broadcast and non-theater use in Western countries only.

Hardware Specifications

TV-video colour standard: all

Video format: all

Length (minutes): 52 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Cetaceans, Mammals

Title: The Best of Provincetown Whale Watching

Brief Summary of Contents: Identification and feeding techniques of cetaceans including the North Atlantic right whale, fin whale, humpback whale, minke whale and Atlantic white-sided dolphin.

Language(s): English

Intended User Level:

Provider or Producer: **Name:** A. Daniel Knaub
Organization: Cetacean Video
Address: P.O. Box 1052
Mechanicsburg, Pennsylvania 17055 **Telephone number:** 1 717 763-9507
Country: USA **Telefax number:**

Release Date: 1989 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $29.95 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS

Length (minutes): 50 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Resources, Coral Reefs

Title: The Coral Triangle

Brief Summary of Contents: Introduces the social and economic values of coral reefs in Southeast Asia (Philippines, indonesia, and malaysia). Offers an overview of the linkages between reef destruction, fisheries productivity, food production needs, and coastal development.

Language(s): English

Intended User Level: general, secondary school

Provider or Producer: **Name:** Director
Organization: WNET/THIRTEEN
Address: 356 West 58th Street
New York, New York 10019
Country: USA
Telephone number:
Telefax number:

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format:

Length (minutes): 60 Colour:

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Coral Reefs, Starfish

Title: The Crown of Thorns Story

Brief Summary of Contents: Documentary that presents the most up-to-date report on the Crown-of-Thorn starfish. It tells the story of the Crown-of-Thorn starfish on the Great Barrier Reef. It traces the history of infestations and what is now known about the starfish, with emphasis on the research currently underway.

Language(s): English

Intended User Level: general, secondary school

Provider or Producer: **Name:** Craig Sambell
Organization: Great Barrier Reef Marine Park Authority
Address: P.O. Box 1379
Townsville, Queensland 4810
Country: Australia
Telephone number: 077 81 8811
Telefax number: 077 72 6093

Release Date: 1987 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: Australian $25 includes postage **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 25 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Anatomy, Habitat

Title: The Great Whales

Brief Summary of Contents: Once feared and hunted almost to extinction, the whale now commands worldwide attention. Join scientists and conservationists as they study and document the anatomy, communication, and migratory patterns of a variety of whale species, including killer, pilot and humpback whales

Language(s): English

Intended User Level: general, all levels

Provider or Producer: **Name:** Director
Organization: National Geographic Society
Address: P.O. Box 2895
Washington, DC 20013-2895
Country: USA
Telephone number: 1 800 368-2728
Telefax number: 1 301 921-1575

Release Date: 1978 **Planned Future Release Date:**

ISBN Number: 0-8051-0226-4 **Rental Price:**

Sale Price: US $19.95 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 59 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Anatomy, Behavior

Title: The Sharks

Brief Summary of Contents: Sharks, streamlined, swift and curious. An introduction to a variety of these remarkable creatures. Fascinating facts and mysteries to be solved. Aspects of anatomy and the way sharks live. How scientists learn about sharks.

Language(s): English

Intended User Level: general, secondary school

Provider or Producer: **Name:** Director
Organization: National Geographic Society
Address: P.O. Box 2895
Washington, DC 20013-2895
Country: USA
Telephone number: 1 800 368-2728
Telefax number: 1 301 921-1575

Release Date: 1977 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $38 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format:

Length (minutes): 12 Colour:

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Marine, Over-Fishing

Title: The State of Marine Mammals

Brief Summary of Contents: The threat to the existence of marine mammals from pollution, fishermen or native hunters has become an emotive issue in many parts of the world. This is a film examining both side of the debate.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Pamela Sayer
Organization: TVE
Address: 46 Charlotte Street
London W1P 1LX
Country: UK
Telephone number: 44 71 637 4602
Telefax number: 44 71 580 7780

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:** UK £10/week (non-theater)

Sale Price: UK £40 **Rental Period:**

Permission or License Required: non-broadcast use only

Hardware Specifications

TV-video colour standard: all

Video format: all

Length (minutes): 30 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Cetaceans, Mammals

Title: The Whale: Earth's Largest Mammal

Brief Summary of Contents: Educational video developed for ages 7-12 years. Highlights identification of species, individuals within species, demonstration of behaviors and feeding techniques. Includes latest theories on social habits and reasons for various behaviors. Available with teacher's guide and lesson plan and with student kits for projects and activities.

Language(s): English

Intended User Level: general, secondary school

Provider or Producer: **Name:** A. Daniel Knaub
Organization: Cetacean Video
Address: P.O. Box 1052
Mechanicsburg, Pennsylvania 17055 **Telephone number:** 1 717 763-9507
Country: USA **Telefax number:**

Release Date: 1992 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: to be determined **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS

Length (minutes): 35 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Fisheries, Resources

Title: Today's Fishery in the Philippines

Brief Summary of Contents: Shows the state of the present municipal and commercial fisheries in the Philippines; conflicts on resource utilization between sustenance and commercial fishermen; problems of Philippine fisheries such as overfishing, pollution, illegal fishing methods, poor post harvest, fish processing practices and such.

Language(s): English or Philipino

Intended User Level: general

Provider or Producer: **Name:** The Director
Organization: Institute of Marine Fisheries and Oceanology
Address: College of Fisheries
UPV, Miag-ao
Iloilo 5000
Country: Philippines
Telephone number:
Telefax number:

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $38 **Rental Period:**

Permission or License Required: no

Hardware Specifications

TV-video colour standard: PAL

Video format: Beta

Length (minutes): 18 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Molluscs, Mariculture

Title: Triploid Oyster Production

Brief Summary of Contents: This video accompanies a written manual available from the University of Washington Press. The materials provide an illustrated step-by-step approach for producing triploid oysters in the hatchery. Triploid oysters produce few reproductive cells and so remain more appetizing through the summer spawning season.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** R. Strickland
Organization: Washington Sea Grant Communications
Address: University of Washington Press
University of Washington
3716 Brooklyn Ave. NE
Seattle, Washington 98105
Country: USA
Telephone number: 1 206 543-6600
Telefax number: 1 206 543-0380

Release Date: 1989 **Planned Future Release Date:**

ISBN Number: 0-295-770341-1, ½" VHS; 0-295-77035-X 3/4" U-matic **Rental Price:** $15

Sale Price: $250 (with manual) **Rental Period:** 3 days

Permission or License Required: no

Hardware Specifications

TV-video colour standard: NTSC 3.58

Video format: VHS, U-matic (lowband)

Length (minutes): 38 Colour: yes

Tape width (inches): ½ or 3/4

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Pollution, Land Use

Title: What's Happening in Our Harbours, Princess Royal & Oyster Harbours - Albany

Brief Summary of Contents: This video explains how nutrients from agricultural activities, sewage and industrial effluent have resulted in excessive macroalgae growth which has, in turn, smothered and killed the majority of the seagrass meadows in Princess Royal and Oyster Harbors.

Language(s): English

Intended User Level:

Provider or Producer: **Name:** D. A. Mills
Organization: Environmental Protection Authority
Address: Marine Impacts Branch
1 Mount Street
Perth, Western Australia 6000 **Telephone number:** 09 222 7C00
Country: Australia **Telefax number:**

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: 0-7309-1870X **Rental Price:** for loan only-no cost

Sale Price: **Rental Period:** 1 month

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL, SECAM

Video format: VHS, Beta

Length (minutes): 10 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Marine, Mammals

Title: Where Have All the Dolphins Gone?

Brief Summary of Contents: This film is a head-on attack on the purse-seine method of tuna fishing in the USA, which uses explosives and has killed an estimated 6 million dolphins over the last 30 years. The Marine Manual Protection Act of 19972 was established after these atrocities were revealed; but through lobbying, the tuna industry was exempted from the act.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Pamela Sayer
Organization: TVE
Address: 46 Charlotte Street
London W1P 1LX
Country: UK
Telephone number: 44 71 637 4602
Telefax number: 44 71 580 7780

Release Date: 1989 **Planned Future Release Date:**

ISBN Number: **Rental Price:** UK £10

Sale Price: **Rental Period:** 1 week

Permission or License Required: Third world rights for broadcast and non-theater use

Hardware Specifications

TV-video colour standard: all

Video format: all

Length (minutes): 60 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Chemistry

Secondary Key Words: Chemicals in Seawater, Salinity

Title: Maintaining Standards in Salinity Measurement

Brief Summary of Contents: Training video on the measurement of salinity in the laboratory. Topics covered include sample collection/storage, salinometer operation, calibration standards, data processing/reporting, definitions.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Paul Ridout
Organization: Ocean Scientific International Ltd.
Address: Brook Road
Wormley, Surrey GU8 5UB
Country: UK
Telephone number: 44 428 685245
Telefax number: 44 428 685075

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL, SECAM

Video format: VHS

Length (minutes): 30-40 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Chemistry

Secondary Key Words: Resources, Mining

Title: Oceans of Wealth: Part 5 - Salts of the Earth

Brief Summary of Contents: This programme goes to an isolated coral atoll in Micronesia. Briefly considers the questions of rights to deep sea mining; shows the Red Sea; and shows changes in metal prices.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £300 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 26 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Hot Vents, Fauna

Title: 4000 Meters Under the Sea

Brief Summary of Contents: The film concerns a 1987 joint US-Japan expedition to study the geology and biology of the Marianas Trough spreading center. The film depicts the finding of hot vents and associated fauna at the accreting plate margin in the trough using the deep submersible *Alvin* and R/V *Atlantis II*. It is aimed toward the lay audience.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Director
Organization: Films for the Humanities
Address: P.O. Box 2053
Princeton, New Jersey 08543-2053
Country: USA
Telephone number: 1 609 452-1128
Telefax number: 1 609 452-1602

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $75

Sale Price: US $149 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format:

Length (minutes): 28 Colour:

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Antarctic, General

Title: *ANTARTIDA*

Brief Summary of Contents: General description about the activities of the University of Mar del Plata scientist at the San Martin Peninsula. It involves geology, geomorphology, sedimentology. Mammal and bird descriptions.

Language(s): Spanish

Intended User Level: general, secondary school, undergraduate university

Provider or Producer: **Name:** Dr. Federico I. Isla
Organization: Universidad Nacional de Mar del Plata
Address: Centro de Geologia de Costas y del Cuaternario
Casilla de Correo 722 -Correo Central
7600 Mar del Plata **Telephone number:** 54 23 72-7144
Country: Argentina **Telefax number:** 54 23 728297

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required: permission

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 38 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Rift, Geodynamics

Title: Djibouti, Naissance D'un Ocean (Djibouti, Birth of an Ocean)

Brief Summary of Contents: Summary of ten years of studies and research carried out at the Arta Observatory (Republic of Djibouti) on the powerful geodynamism of the Assan Rift. Explains the volcano monitoring system and the processing of Argos PTT data. (Also available in film. See Form C.)

Language(s): French

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Centre National de la Recherche Scientifique
Organization: CNRS Audiovisual
Address: 1 Place Aristide Briand
92195 Meudon Cedex
Country: France
Telephone number: 33 45 34 75 50
Telefax number: 33 46 28 49

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** FF130/week

Sale Price: FF400 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: Betacam

Length (minutes): 37 Colour: yes

Tape width (inches): 3/4

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Hot Vents, Fauna

Title: Exploring Seafloor Hot Springs on the Juan De Fuca Ridge

Brief Summary of Contents: The video documents the research activities of the NOAA Vents Program along the Juan De Fuca Ridge 100 miles off the Oregon coast. The deep-diving submersible, *Alvin*, descends to a volcano half again as large as Mt. Hood. The exploration of seafloor hot springs is revolutionizing our understanding of the geology, chemistry, and biology of our ocean.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Director
Organization: Sea Grant Communications
Address: Oregon State University
Administrative Services A402
Corvallis, Oregon 97331-2134
Country: USA
Telephone number: 1 503 737-2716
Telefax number: 1 503 737-2392

Release Date: not held by organization **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $5

Sale Price: **Rental Period:** 1 month

Permission or License Required: contact Sea Grant Communications

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 10 Colour: yes

Tape width (inches): ½

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Erosion, Coastal/Nearshore

Title: La Deteriorada Costa Galana (The Eroded Costa Galana)

Brief Summary of Contents: Survey of coastal erosion between Miramar and Mar Chiquite. Other coastal problems (sewage disposal, land reclamation, touristic impacts) at Mar del Plata are identified and benefits and problems caused by groin emplacements are shown.

Language(s): Spanish

Intended User Level: general, secondary school, undergraduate university, advanced

Provider or Producer: **Name:** Dr. Federico I. Isla
Organization: Centro de Geologia de Costas y del Cuaternario
Address: Universidad Nacional de Mar del Plata
Casilla de Correo 722 -Correo Central
7600 Mar del Plata
Country: Argentina
Telephone number: 54 23 72-7144
Telefax number: 54 23 728297

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL, PAL N, Pal B

Video format: VHS, U-matic lowband, Beta

Length (minutes): Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Side-scan Sonar, Mapping

Title: Oceans of Wealth: Part 2 - The Last Frontier on Earth

Brief Summary of Contents: Looks at the two ways in which we are exploring the sea bed by side scan sonar mapping and by deep sea drilling.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £300 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 26 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Technology, Biosciences

Title: The Ocean Floor

Brief Summary of Contents: Demonstrates how oceanographers gain a picture of the ocean floor. Modern submersibles, remotely operated vehicles using sonar ranging, computer imaging processing and remote sensing from satellites all combine to reveal underwater volcanoes and abyssal planes, as well as the ocean floor animals.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Director
Organization: Open University Educational Enterprises
Address: The Open University
12 Cofferidge Close
Stony Stratford
Milton Keynes, MK11 1BY
Telephone number: 908 261662
Country: UK
Telefax number:

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £130 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 24 Colour:

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Other—Biochemistry

Secondary Key Words: Fauna and Flora, Cancer

Title: Nature Contre Nature (Nature Versus Nature)

Brief Summary of Contents: Collecting, identifying and storing samples of rare plant and animal species are carried out by researchers in New Caledonia. The tropical and marine flora and fauna of this Pacific area, endowed with exceptional biological characteristics, are studied in the CCNRS labboratories (in Nouméa and Gif-sur-Yvette) and in ORSTOM's laboratory (in Nouméa) with a view to identifying, separating, and analysing the natural molecules that can be used in the treatment of cancerous tumors. (Also available in film. See Form C.)

Language(s): French

Intended User Level:

Provider or Producer: **Name:** Centre National de la Recherche Scientifique
Organization: CNRS Audiovisuel
Address: 1 Place Aristide Briand
92195 Meudon Cedex
Country: France
Telephone number: 33 45 34 75 50
Telefax number: 33 46 28 49

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:** FF130/week

Sale Price: FF400 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 38 Colour: yes

Tape width (inches): 3/4

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Other—Climate

Secondary Key Words: Sediments, Greenhouse Effect

Title: Oceans and Climates

Brief Summary of Contents: As the oceans respond to the global warming resulting from the Greenhouse Effect, oceanographers are studying ancient material from seabeds which not only records past changes in marine temperature, but may also provide a key to predicting future climate changes.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Director
Organization: Open University Educational Enterprises
Address: The Open University
12 Cofferidge Close
Stony Stratford
Milton Keynes, MK11 1BY
Country: UK
Telephone number: 908 261662
Telefax number:

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £130 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 24 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Other—Coastal Zone Management

Secondary Key Words: Fishing, Commercial

Title: Deckhand

Brief Summary of Contents: Video news magazine for Australian commercial fishing. Issues regarding technology, research and management. Produced three times a year.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Commercial Fishermen
Organization: Great Barrier Reef Marine Park Authority
Address: P.O. Box 1379
Townsville, Queensland 4810
Country: Australia
Telephone number: 077 81 8811
Telefax number: 077 72 6093

Release Date: 1989 **Planned Future Release Date:** see summary

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required: on application

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 60 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Other—Coastal Zone Management

Secondary Key Words: Management, Coral Reefs

Title: Reef Report

Brief Summary of Contents: A video news magazine featuring conservation, science and management about Australia's Great Barrier Reef Marine park. Produced three times a year.

Language(s): English

Intended User Level:

Provider or Producer: **Name:** Craig Sambell
Organization: Great Barrier Reef Marine Park Authority
Address: P.O. Box 1379
Townsville, Queensland 4810 **Telephone number:** 077 81 8811
Country: Australia **Telefax number:** 077 72 6093

Release Date: 1987 **Planned Future Release Date:** see summary

ISBN Number: **Rental Price:**

Sale Price: Australian $25 **Rental Period:**

Permission or License Required: on application

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 30 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Other—Law

Secondary Key Words: History, Hugo de Groot

Title: Oceans of Wealth: Part 1 - The Ocean Commons

Brief Summary of Contents: Looks at the evolution of Maritime Law, the writings of Hugo do Groot and the changes in science and society during the 18th and 19th centuries.

Language(s): English

Intended User Level: undergraduate, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £300 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 26 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Other—Management

Secondary Key Words: Biology, Physical

Title: Jamaica and the Sea

Brief Summary of Contents: Filmed in Jamaica, just after its devastation by Hurricane Gilbert. Marine scientists at the University of the West Indies are studying the effects of natural disasters and human pollution on various ecosystems.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Director
Organization: Open University Educational Enterprises
Address: The Open University
12 Cofferidge Close
Stony Stratford
Milton Keynes, MK11 1BY
Country: UK
Telephone number: 908 261662
Telefax number:

Release Date: 1990
Planned Future Release Date:

ISBN Number:
Rental Price:

Sale Price: UK £130
Rental Period:

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 25 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Other—Marine Science

Secondary Key Words: Meteorology, Oceanography

Title: El Niño in Peru

Brief Summary of Contents: Description of El Niño phenomena and the effect of the 1982-83 event in Peru. Interviews with several specialists in meteorology, oceanography, ecology and biology. Also includes historical aspects of El Niño in Peru.

Language(s): Spanish, English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Director
Organization: Marina de Guerra del Peru
Address: Direccion de Hidrografia y Navegacion
Gamarra 500
Chucuito, La Punta
Lima
Country: Peru
Telephone number: 51 14 299578, 51 14 298542
Telefax number: 51 14 638453, 51 14 641515

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format:

Length (minutes): 52 Colour:

Tape width (inches): 3/4

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Other—Oceanography

Secondary Key Words: Deep Waters, Rockall Trough

Title: Rockall

Brief Summary of Contents: A case study of the deep waters around the Rockall Trough exemplifies the inter-disciplinary nature of oceanography. Different techniques of measuring physical, chemical and biological properties are shown. The recent discovery of seasonality among deep-water organisms is illustrated by unique footage of the seasonal arrival of "fluff."

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Director
Organization: Open University Educational Enterprises
Address: The Open University
12 Cofferidge Close
Stony Stratford
Milton Keynes, MK11 1BY
Country: UK
Telephone number: 908 261662
Telefax number:

Release Date: 1990
Planned Future Release Date:

ISBN Number:
Rental Price:

Sale Price: UK £130
Rental Period:

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 25 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Other — Policies

Secondary Key Words: Decision Making, Chesapeake Bay

Title: A Question of Balance

Brief Summary of Contents: Examines the application of multiple use polices in the Chesapeake Bay. For use alone or with *Decision Making; The Chesapeake Bay.*

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Sea Grant College Program
Organization: University of Maryland
Address: 1224 H.J. Patterson Hall
College Park, Maryland 20742
Country: USA
Telephone number:
Telefax number:

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $30 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: VHS videocassette

Length (minutes): 25 Colour:

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Other—Pollution

Secondary Key Words: Toxic Compounds, North Sea

Title: North Sea - A Dying Environment

Brief Summary of Contents: Pollutants, that cannot be easily broken down into less harmful substances, are being released into the North Sea. The film voices the concerns of Dutch scientists and fishermen because at risk is one of the world's foremost fishing grounds.

Language(s): English, Dutch

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Jon Kraan
Organization: NCRV Television
Address: Schuttersweg 8
Hilversum
Country: The Netherlands
Telephone number: 31 35 719322
Telefax number:

Release Date: 1982 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: VHS, U-matic

Length (minutes): 57 Colour:

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Other—Pollution

Secondary Key Words: Modelling, Pollutant Transport

Title: North Sea Pollution

Brief Summary of Contents: Description of modelling of pollution of the North Sea (input, hydrodynamics, transport, water quality, ecology) with special emphasis on flows, spills, toxic substances and eutrophication.

Language(s): English

Intended User Level: Undergraduate university

Provider or Producer: **Name:** J.A.G. van Gils
Organization: Delft Hydraulics
Address: Rotterdamseweg 185
2629 HD Delft
Country: The Netherlands
Telephone number: 31 15 569 353
Telefax number: 31 15 619 674

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: real costs **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 15 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Other—Pollution

Secondary Key Words: Biology, Coastal Zone

Title: Préserver la Mer

Brief Summary of Contents: Activities carried out both on board CERBOM's research vessels and laboratories to detect pollution and check the health quality of marine products: plankton, fishing, collecting water and sea-bottom samples for bactereological and chemical content, techniques for laboratory measurements and data interpretation.

Language(s): French

Intended User Level: general, secondary school, undergraduate university

Provider or Producer: **Name:** M. Aubert
Organization: Centre d'Etude et de Recherche de Biologie et d'Oceanographie Médicale
Address: 1, avenue Jean-Lorrain
06300 Nice
Country: France
Telephone number: 93.89.72.49
Telefax number:

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: FF300 **Rental Period:**

Permission or License Required: CRDP de Nice

Hardware Specifications

TV-video colour standard: PAL, SECAM

Video format: Limatic, VHS, U-matic lowband

Length (minutes): 28 Colour: yes

Tape width (inches): ½, 3/4

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Other—Pollution

Secondary Key Words: Toxic Compounds, Baltic Sea

Title: The Baltic Sea

Brief Summary of Contents: Focuses attention on the vulnerability of enclosed seas. Its message is that countries sharing the Baltic Sea should agree on a common programme of pollution control. (Also available in film. See Form C.)

Language(s): English, Swedish, Danish

Intended User Level: undergraduate university

Provider or Producer: **Name:** Bo Landin
Organization: Scandinature Films
Address: P.O. Box 558
S 65169 Karlstad
Country: Sweden
Telephone number: 46 5410 0215
Telefax number: 46 5410 3303

Release Date: 1986 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: all formats

Length (minutes): 59 Colour:

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Other—Resources

Secondary Key Words: Resources, Oceans

Title: Oceans of Wealth: Part 6 - Resources of the Sea

Brief Summary of Contents: Studio based programme puts questions concerning food, minerals and energy of the oceans to three panelists.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £300 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 26 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Currents, Deep Ocean

Title: Currents

Brief Summary of Contents: Currents in the deep oceans influence on weather in complex ways. archival film of early water mass investigations in the research vessel *Discovery* is followed by a description of the classic MODE project.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £300 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 25 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Currents, Deep Ocean

Title: Currents

Brief Summary of Contents: The currents in the deep oceans influence our weather in complex ways. Archival film of early water mass investigations in the research vessel *Discovery* is followed by a description of the classic MODE project. Oceanographers now use satellites and drifting buoys to measure and plot the movement of currents, and may soon be able to use this information to forecast the weather within and above the oceans.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Director
Organization: Open University Educational Enterprises
Address: The Open University
12 Cofferidge Close
Stony Stratford
Milton Keynes, MK11 1BY
Telephone number: 908 261662
Country: UK
Telefax number:

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £130 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 25 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Chemical, Sea Level

Title: Global Sea Levels

Brief Summary of Contents: This video shows how oceanographers measure the rise and fall of sea levels by looking at fluxes of carbon to the deep sea, and by direct monitoring of sea level changes with tidal gauges, bottom pressure recorders and satellite altimetry. This information may show whether the Greenhouse Effect is causing sea levels to rise more rapidly.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Director
Organization: Open University Educational Enterprises
Address: The Open University
12 Cofferidge Close
Stony Stratford
Milton Keynes, MK11 1BY
Country: UK
Telephone number: 908 261662
Telefax number:

Release Date: 1990

Planned Future Release Date:

ISBN Number:

Rental Price:

Sale Price: UK £130

Rental Period:

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 25 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: OTEC. Energy Conversion

Title: Oceans of Wealth: Part 4 - Making Waves and Pipe Dreams

Brief Summary of Contents: This programme examines whether the energy of the oceans, renewable and apparently limitless could be harnessed. Describes wave power and ocean thermal energy conversion.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £300 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 26 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Polar, Biology

Title: Polar Oceans

Brief Summary of Contents: Shows how oceanography in the polar regions can contribute valuable information towards environmental management. Archival film of Scott's and Shackleton's expeditions precedes a study of modern research work on the vessel *Polarstern* and on ice station "O." Cold water masses at the poles influence world climate, and the video considers how the Greenhouse Effect may alter the economic and strategic role of the polar oceans.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Director
Organization: Open University Educational Enterprises
Address: The Open University
12 Cofferidge Close
Stony Stratford
Milton Keynes, MK11 1BY
Telephone number: 908 261662
Country: UK
Telefax number:

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £130 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 25 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Generation, Propagation

Title: Tsunamis in Peru

Brief Summary of Contents: Description of the generation and propagation of Tsunamis. Historical tsunamis that have occurred in Peru and the safety rules for population in case of a tsunami warning are described.

Language(s): Spanish

Intended User Level: undergraduate university

Provider or Producer: **Name:** Director
Organization: Marina de Guerra del Peru
Address: Direccion de Hidrografia y Navegacion
Gamarra 500
Chucuito, La Punta
Lima
Country: Peru
Telephone number: 51 14 299578, 51 14 298542
Telefax number: 51 14 638453, 51 14 641515

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format:

Length (minutes): 34 Colour:

Tape width (inches): 3/4

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Sediments, Waves

Title: Waves

Brief Summary of Contents: This covers two separate oceanographic case studies. In the classic experiment "Waves Across the Pacific," waves were tracked from Antarctica right up to Alaska. On Britain's East Anglian coast, waves of sediment-laden water, moved by storm surges and tidal currents, create and destroy beaches.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Director
Organization: Open University Educational Enterprises
Address: The Open University
12 Cofferidge Close
Stony Stratford
Milton Keynes, MK11 1BY
Country: UK
Telephone number: 908 261662
Telefax number:

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £130 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: PAL

Video format: VHS

Length (minutes): 25 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Sediments, Waves

Title: Waves

Brief Summary of Contents: This covers two separate oceanographic case studies. In the classic experiment "Waves Across the Pacific," waves were tracked from Antarctica right up to Alaska. On Britain's East Anglian coast, waves of sediment-laden water, moved by storm surges and tidal currents, create and destroy beaches.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: All

Video format: VHS, Beta

Length (minutes): 25 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Law, Ships

Title: A Naval Architect's Introduction to Admiralty Law I

Brief Summary of Contents: Includes hierarchy and sources of laws, questions of jurisdiction, and such key provisions as: liens, vessel damages, insurance, limitation of liability, personal injuries, cargo damage.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 52 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Law, Ships

Title: A Naval Architect's Introduction to Admiralty Law II

Brief Summary of Contents: Reviews principles of law. Includes an illustrative case study: a web of conflicting interests, technical and legal aspects of limitations of liability and interrelationship of various suits arising from a single disaster.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 55 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Design

Title: Accommodation Design

Brief Summary of Contents: Discusses the integration of technical, economic and social/psychological components for a successful accommodation design.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: Name: Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1985 Planned Future Release Date:

ISBN Number: Rental Price: US $135

Sale Price: US $265 Rental Period: 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 47 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Safety, Oil Production

Title: An Introduction to Offshore Safety

Brief Summary of Contents: This film provides an introduction to the offshore environment stressing the need for safety. Deals with muster stations and lifeboat drills, permits to work, importance of good housekeeping, wearing and using the correct protective equipment.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:** variable

Sale Price: UK £365 **Rental Period:**

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 22 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Design

Title: Cargo Handling and Access, Mooring Systems

Brief Summary of Contents: Talks about designing ships for efficient cargo handling. Includes mooring requirements and associated equipment.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1987 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 46 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Engines

Title: Characteristics of the Major Marine Propulsion Engines

Brief Summary of Contents: The characteristics of the low-speed diesel, medium-speed diesel, steam turbine, and gas turbine engines are judged against the requirements outlined in another video.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 50 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Engines

Title: Characteristics Required of the Marine Propulsion Engine

Brief Summary of Contents: Torque, speed, and power requirements of the propeller. Demands of the marine load profile. Economic factors. The marine environment.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 48 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Commerce, Ships

Title: Chartering Arrangements

Brief Summary of Contents: Kinds of charter parties and their applicability, divisions of costs, brokers, agents and the Baltic Exchange; Worldscale rates.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 30 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Offshore, Diving

Title: Decompression Illness - Part 1

Brief Summary of Contents: Draws attention to the potential seriousness of decompression illness. Anyone subjected to increased barometric pressure is at risk even with proper procedures, decompression illness can occur. Describes Type I and Type II decompression sickness.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date:

Planned Future Release Date:

ISBN Number:

Rental Price: variable

Sale Price: UK £375

Rental Period:

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 20 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Offshore, Diving

Title: Decompression Illness - Part 2

Brief Summary of Contents: Follows from Part 1. Looks at the detailed effects of decompression illness on the body. Most of the film is devoted to neurological examinations. The importance of immediate treatment is stressed.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date:

Planned Future Release Date:

ISBN Number:

Rental Price: variable

Sale Price: UK £375

Rental Period:

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: All

Video format: All

Length (minutes): 20 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Underwater, Welding

Title: Deepwater Hyperbaric Welding

Brief Summary of Contents: Shows welding techniques for repairing pipes and structures in very deep water. follows divers on tests carried out in one of Norway's deepest fjords.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date:

Planned Future Release Date:

ISBN Number:

Rental Price: variable

Sale Price: UK £430

Rental Period:

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 29 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Labour Costs

Title: Designing Ships for Easy Construction I

Brief Summary of Contents: The importance of reducing labor costs in high wage nations; the role of shipyard policy and strategy for increasing labor productivity; and what the engineer can do at various stages of design are shown.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4 U-matic, ½ Beta I, ½ VHS

Length (minutes): 50 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Design

Title: Designing Ships for Easy Construction II

Brief Summary of Contents: The video includes selecting design details for increased productivity, transforming systems-oriented designs into production-oriented designs, standard frame spacing, producing tailor-made ships by mass production methods, the role of the production engineer, radical shipbuilding techniques, and a look to the future.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or license Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 47 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Petroleum Production, Hydrogen Sulphide

Title: Detection H_2S

Brief Summary of Contents: Professor Swampheart demonstrates to a class of petroleum workers the smart way to stay alive while dealing with hydrogen sulphide wherever it may be found

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:** variable

Sale Price: UK £325 **Rental Period:**

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 11 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Collecting Samples, Nets

Title: Engins de Prélèvements Océanographiques, 1ère partie (Oceanographic Sampling Equipment, Part 1)

Brief Summary of Contents: On board CNRS RVs, demonstration of typical benthic and planktonic sampling equipment: plankton nets, pelagic nets, dragnets, dredge-buckets, core samplers, pump dredgers. The sampling excercises are completed by a detailed description of technical charactristics and methods of operation of the equipment. (Also available in film. See Form C.)

Language(s): French

Intended User Level:

Provider or Producer: **Name:** Centre National de la Recherche Scientifique
Organization: CNRS Audiovisuel
Address: 1 Place Aristide Briand
92195 Meudon Cedex
Country: France
Telephone number: 33 45 34 75 50
Telefax number: 33 46 28 49

Release Date: 1987 **Planned Future Release Date:**

ISBN Number: **Rental Price:** FF130/week

Sale Price: FF400 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 37 Colour: yes

Tape width (inches): 3/4

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Weights

Title: Estimating Weights

Brief Summary of Contents: Practical techniques for estimating weights of ships at various stages of design or construction, weight breakdowns, scrap ratios and sources of data are presented.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC 3.58

Video format: 3/4" U-matic. ½" Beta I. ½" VHS

Length (minutes): 35 Colour:

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Pollution, Ships' Personnel

Title: Fighting Pollution

Brief Summary of Contents: Designed to inform and motivate ships personnel on all aspects of prevention at sea. Video points out the effects of pollution are cumulative and are often caused by individual and crew who lack awareness.

Language(s): English

Intended User Level:

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £330 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 25 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Load Limits

Title: Freeboard and Load Line Regulations I

Brief Summary of Contents: Presents advantages and disadvantages of large freeboard, brief history of load line regulations, considerations in assigning freeboard, division of responsibility current regulations and reasons behind them, the load line mark.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 52 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Load Limits

Title: Freeboard and Load Line Regulations II

Brief Summary of Contents: Further explanations of current regulation are presented. A worked out numerical example in illustration of the rules is shown.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 43 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Design

Title: General Arrangements of Ships

Brief Summary of Contents: Gives practical advice on blocking out general arrangements, and analysis of a wide range of modern designs.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 50 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Safety, Work Permits

Title: Harry's Hot Permit

Brief Summary of Contents: Harry, a producer contracted to make a film on unsafe work habits, oversteps the conditions of his hot work permit. Harry is characterized as an obnoxious fast-buck artist, greedy, arrogant and conceited, with no respect for human well-being.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date:

Planned Future Release Date:

ISBN Number:

Rental Price: variable

Sale Price: UK £320

Rental Period:

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS. Beta

Length (minutes): 10 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Design

Title: Hull Form Dimensions and Coefficients I

Brief Summary of Contents: Deals with basic terms that define a ship's major dimensions and hull form characteristics. These include sectional area curves, Bonjean curves, and the block coefficient.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1986 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 46 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Design

Title: Hull Form Dimensions and Coefficients II

Brief Summary of Contents: The hull form coefficients and how they are applied to ship design are discussed. Included are Froude Number and speed length ration, curves of form and wetted surface.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1986 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 48 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Ships, Insurance

Title: Marine Insurance

Brief Summary of Contents: Protection afforded by various kinds of insurance policies. What is to be found in the fine print. The need for reform.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136 **Telephone number:** 1 313 763-1233
Country: USA **Telefax number:** 1 313 936-3492

Release Date: 1987 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 42 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Systems

Title: Off-design Analysis of Marine Engineering Systems

Brief Summary of Contents: Behavior of systems and their components when operating under part-load conditions; the influence of disparate characteristics; and the influence of fixed design characteristics as illustrated by analysis of heat-exchange systems at reduced load are analyzed.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 40 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Safety, Offshore

Title: Offshore Rescue

Brief Summary of Contents: Details the procedures for abandonment of an offshore oil installation. Begins with sounding of general alarm, gathering at muster point, evacuation by lifeboat.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date:

Planned Future Release Date:

ISBN Number:

Rental Price: variable

Sale Price: UK £370

Rental Period:

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 23 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Ports, Harbors

Title: Port Decision Making Process

Brief Summary of Contents: Module 1 of three modules. This module shows how to improve strategic and tactical decisions at your port, harbor or marina, how to more effectively allocate scarce decision making time and resources. The module also includes a floppy disk (see Form A) and instruction manual.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Frederick J. Smith
Organization: Oregon State University
Address: Corvallis, Oregon 97331 **Telephone number:** 1 503 737-1429
Country: USA **Telefax number:** 1 503 737-2563

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $50/ day

Sale Price: US $900 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 60 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Ports. Harbors

Title: Port Management Information and Analysis

Brief Summary of Contents: Module 2 of three modules. Presents management information including budgets, income and expense accounts, enterprise accounts and balance sheets; how to more effectively use this information and how to improve the quality of information available. The module also includes a floppy disk (see Form A) and instruction manual.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Frederick J. Smith
Organization: Oregon State University
Address: Corvallis, Oregon 97331 **Telephone number:** 1 503 737-1429
Country: USA **Telefax number:** 1 503 737-2563

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $50/day

Sale Price: US $ 900 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 60 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Ports, Harbors

Title: Ports and the Local Economy

Brief Summary of Contents: Module 3 of three modules. Teaches about the economic connection between your port, harbor and marina, and the local economy, your economic impact, and how to effectively use this information for administration. The module also includes a floppy disk (see Form A) and instruction manual.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Frederick J. Smith
Organization: Oregon State University
Address: Corvallis, Oregon 97331 **Telephone number:** 1 503 737-1429
Country: USA **Telefax number:** 1 503 737-2563

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $50/day

Sale Price: US $900 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: VHS

Length (minutes): 60 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Engines

Title: Power Interaction Principles in Marine Engineering I

Brief Summary of Contents: General principles of power interaction are discussed. Some individual examples such as engine-plus-propeller, pump-plus-pipe, and pump-plus-motor are given.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 48 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Engine Systems

Title: Power Interaction Principles in Marine Engineering II

Brief Summary of Contents: Shows the behavior of systems and their components in multiple-unit systems such as hull/propeller/engine or pipe/pump/motor. Solution of branch flows and powers are presented.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 48 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Safety, Attitudes

Title: Professional Attitudes

Brief Summary of Contents: Presents the story of a man who comes to work on heavy equipment with a hangover. In the hot sun the worker does about everything wrong: no seat belt, no hard hat, daydreams constantly, improper equipment, and finally the tragic end.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date:

Planned Future Release Date:

ISBN Number:

Rental Price: variable

Sale Price: UK £380

Rental Period:

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 15 Colour:

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Pollution, Chemical Spills

Title: Response to Marine Chemical Spills: 1 - The Risk

Brief Summary of Contents: Begins with worldwide trade in chemicals and continues examining the way in which hazardous and dangerous cargoes are transported by packaged goods or in specialized chemical and gas carriers.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £450 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 23 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Chemicals, Pollution

Title: Response to Marine Chemical Spills: 2 - Assessment and Analysis

Brief Summary of Contents: Classification of thousands of commonly transported chemicals by their physical properties. On contact with water does the substance sink, dissolve, float, evaporate or react?

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £450 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 24 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Pollution, Hazardous Materials

Title: Response to Marine Chemical Spills: 3 - Response Options

Brief Summary of Contents: Physical property of the hazardous material. The response approaches: observe, monitor and notify; securing the cargo; and acting on the chemical once it is in the environment.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £450 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 24 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Pollution, Hazardous Cargo

Title: Response to Marine Chemical Spills: 4 - Contingency Planning, Operations and Training

Brief Summary of Contents: A detailed response exercise in which a ship reports a leak on a tank container. The chemical concerned is titanium tetra-chloride. Four stages of response: 1) notification and information gathering; 2) situation analysis, defining the problem; 3) action planning; 4) decision and execution.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £450 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 24 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Oil Spill, Pollution

Title: Response to Marine Oil Spills: Part 1 - The Oil Spill

Brief Summary of Contents: The consequences of an oil spill. The video explores the frequency and causes of spills and traces one: The fate of oil spilled into the sea.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £385 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 20 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Oil Spills, Pollution

Title: Response to Marine Oil Spills: Part 2 - Containment and Recovery

Brief Summary of Contents: Examines the main techniques of the containment and recovery of spilled oil. The design principle or booms and skimmers and described with reference to the wide variety and types available from around the wold. Also highlights recommendations such as maintenance of equipment, storage and regular training exercises.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £385 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 20 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Oil Spills, Dispersals

Title: Response to Marine Oil Spills: Part 3 - The Use of Dispersants

Brief Summary of Contents: Explains different types of dispersants that are available and describes their action and methods of application. The video also suggests application of dispersants from the air, shore or sea.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £385 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 23 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Oil Spills, Shore Pollution

Title: Response to Marine Oil Spills: Part 4 - Shore-Line Clean-Up

Brief Summary of Contents: The consequences of an oil spill reaching the shore and some of the ways of dealing with it. Reviews various clean-up procedures for heavy, moderate and light contamination of different types of beach substrate.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £385 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: NTSC, PAL, SECAM

Length (minutes): Colour: 17

Tape width (inches): no

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Oil Spills, Planning

Title: Response to Marine Oil Spills: Part 5 - Planning and Operations

Brief Summary of Contents: Follows the course of a hypothetical oil spill from source to shoreline over a period of weeks . Various stages of an oil spill are described and it is demonstrated how the existence of a comprehensive contingency plan provides essential information.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: **Planned Future Release Date:**

ISBN Number: UK £385 **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required: NTSC, PAL, SECAM

Hardware Specifications

TV-video colour standard: VHS, Beta

Video format:

Length (minutes): yes Colour: no

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Offshore, Diving

Title: Safe Diving

Brief Summary of Contents: Examines safety aspects of diving operations in deep water. Described basic parameters in diving.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:** variable

Sale Price: UK £350 **Rental Period:**

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 22 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Offshore, Ionizing Radiation

Title: Safe Use of Ionizing Radiation in the Offshore

Brief Summary of Contents: Understanding and control of ionizing radiations can reduce the risk of exposure to acceptable levels. Procedure for the safe use are shown on an oil rig. The three important factors are shielding, time and distance.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:** variable

Sale Price: UK £375 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 22 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Safety, Offshore

Title: Safety in Offshore Operations

Brief Summary of Contents: Discusses Norwegian law regarding safety offshore vessels and oil rigs.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:** variable

Sale Price: UK £430 **Rental Period:**

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 29 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Diving, Offshore

Title: Saturation Diving

Brief Summary of Contents: Intended as a general introduction on saturation diving. The principle audience would be divers, construction, and maintenance engineers involved in underwater operations. The video explains what is meant by saturation diving.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date:

Planned Future Release Date:

ISBN Number:

Rental Price: variable

Sale Price: UK £315

Rental Period:

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 21 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Hull Loads

Title: Ship Strength and Structures I

Brief Summary of Contents: The video gives an overall look at the loads on a ship's hull and the nature of the resulting stresses within the structure. It includes elementary beam structure and the ship as a girder.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1987 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 46 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Design

Title: Ship Strength and Structures II

Brief Summary of Contents: Brittle fracture, racking, twisting, transverse strength and local loads are presented. Also shown is the need for safety factors and framing systems.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1987 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 45 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Design

Title: Ship Strength and Structures III

Brief Summary of Contents: Items presented: framing members, end attachments, welding, permissible stresses and limits on ratio of ship's length to depth, and practical guides to good structural design.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1987 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 46 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Design

Title: Ship Strength and Structures IV

Brief Summary of Contents: The video discusses miscellaneous practical considerations in structural design. Also presented are the component parts of the hull structure: functions and terminology.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1987 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 50 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Costs

Title: Shipbuilding Cost Estimates I

Brief Summary of Contents: Presents cost estimating techniques applicable to various stages of design and for various purposes. Includes cost breakdown systems and analysis of cost data.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 38 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Costs

Title: Shipbuilding Cost Estimates II

Brief Summary of Contents: Non-traditional cost estimating methods, owner's costs, extrinsic factors affecting shipyard bids, need for reform, sources of cost data are presented.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1988 **Planned ure Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 44 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Specifications

Title: Shipbuilding Specifications and Contracts

Brief Summary of Contents: Principles to keep in mind when writing specifications are addressed. Common understandings embodied in shipbuilding contracts, and pitfalls and protections are included.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: Name: Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1987 Planned Future Release Date:

ISBN Number: Rental Price: US $135

Sale Price: US $265 Rental Period: 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 39 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Offshore, Oil Production

Title: Simultaneous Drilling and Production

Brief Summary of Contents: Shows regulations for simultaneous drilling and production in the North Sea, particularly Norwegian regulations. Emphasizes safety aspects of the procedures involved.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date:

Planned Future Release Date:

ISBN Number:

Rental Price: variable

Sale Price: UK £400

Rental Period:

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 20 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Radar Images, Currents

Title: Télédétection Radar

Brief Summary of Contents: Testing radar remote sensing equipment on an aircraft prior to installation on satellite; Description of operation and uses of equipment, range of sensing capacities (by night, in cloudy weather); a few examples to demonstrate applications to certain processes, i.e. soil erosion, crop monitoring, precise delineation of land shapes, determination of ocean currents, changes in sea-ice, guiding boats to fishing grounds, etc.

Language(s): French

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Centre National de la Recherche Scientifique
Organization: CNRS Audiovisual
Address: 1 Place Aristide Briand
92195 Meudon Cedex
Country: France
Telephone number: 33 45 34 75 50
Telefax number: 33 46 28 49

Release Date: 1989 **Planned Future Release Date:**

ISBN Number: **Rental Price:** FF130/week

Sale Price: FF400 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: Betacam

Length (minutes): 19 Colour: yes

Tape width (inches): 3/4

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Oil Production, Safety

Title: The Green Man

Brief Summary of Contents: The new employee on a drilling rig is oriented, trained counselled and humored as he gets the swing of it during his first few days at work. He gains confidence in himself and responds quickly in a rescue during a drill stem test.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date:

Planned Future Release Date:

ISBN Number:

Rental Price: variable

Sale Price: UK £400

Rental Period:

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 20 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Offshore. Diving

Title: The Role & Duties of the Tender & Stand-By Diver

Brief Summary of Contents: The roles of both stand-by diver and tender are vital to the diving team. The film illustrates proper working practices as stressed adherence to the use of checklists and the company manual. Being prepared and fully alert is underlined. Casualty recovery is shown.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:** variable

Sale Price: UK £385 **Rental Period:**

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 17 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Diving, Offshore

Title: The Role and Duties of the Bellman

Brief Summary of Contents: Diving bell operations require good training, keeping alert and keeping strictly to established procedures. Important safety points are stressed. The unexpected can happen. A real diving incident involving recovery of an unconscious diver is shown.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date:

Planned Future Release Date:

ISBN Number:

Rental Price: variable

Sale Price: UK £395

Rental Period:

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 22 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Cranes, Offshore

Title: The Safe Use of Cranes in the Offshore Industry

Brief Summary of Contents: Crane operation can be hazardous without careful regard for safe operation. The basics of crane operation are shown. The film shows how safe crane operations are a result of good training, proper safe working practices, teamwork and communications.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date:

Planned Future Release Date:

ISBN Number:

Rental Price: variable

Sale Price: UK £375

Rental Period:

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 22 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Leadership, Safety

Title: The Supervisor

Brief Summary of Contents: Supervision is more than knowledge and the issuing of orders. This film concentrates on supervision in hazardous environments. The intelligent behavior of a foreman at a gas plant and his ways of relating to the people about him combine to show his effectiveness.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date:

Planned Future Release Date:

ISBN Number:

Rental Price: variable

Sale Price: UK £420

Rental Period:

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 20 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Design

Title: Tonnage Measurement for Ships

Brief Summary of Contents: Describes the purpose of tonnage measurement, gives a historic overview and reviews current regulations.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1985 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 37 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Coastal Zone, Photography

Title: Un Regard Sous la Mer

Brief Summary of Contents: Use of a remotely controlled submarine camera to explore some typical Mediterranean sea-bottom sites. Exploring posidonia beds, rocky bottoms and coral reefs.

Language(s): French

Intended User Level: general, secondary school, undergraduate university

Provider or Producer: **Name:** M. Aubert
Organization: Centre d'Etude et de Recherche de Biologie et d'Oceanographie Médicale
Address: 1, avenue Jean-Lorrain
06300 Nice
Country: France
Telephone number: 93.89.72.49
Telefax number:

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: FF200 **Rental Period:**

Permission or License Required: CRDEP de Nice

Hardware Specifications

TV-video colour standard: SECAM

Video format: U-matic lowband, VHS

Length (minutes): 10 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Offshore, Electrical Safety

Title: Underwater Electrical Safety

Brief Summary of Contents: Using electricity underwater can be safe, but safety relies on proper design, maintenance and operational procedures.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:** variable

Sale Price: UK £330 **Rental Period:**

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 18 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Offshore, Diving

Title: Underwater Inspection Techniques: Part 1 - General Visual Inspection

Brief Summary of Contents: The objective of general visual inspection is to examine the structure for any signs of damage or distortion that may affect its structural integrity and performance. Assessment of marine growth, protective coating, deposits, corrosion, debris and other hazards are included.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £190 **Rental Period:**

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 25 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Corrosion, Underwater

Title: Underwater Inspection Techniques: Part 2 - Close Visual Inspection

Brief Summary of Contents: Detailed examination of selected areas of the structure welds to detect or monitor any defects or corrosion which may effect the integrity of the structure.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £190 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 23 Colour: yes

Tape width (inches):

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Underwater, Non-Destructive Testing

Title: Underwater Inspection Techniques: Part 3 - Non-Destructive Testing Underwater

Brief Summary of Contents: Non-destructive testing, or NDT, techniques are incorporated along with visual inspection methods to detect and monitor any defects which may affect the integrity of a structure.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £190 each **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 28 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Underwater, Concrete

Title: Underwater Inspection Techniques: Part 4 - Concrete Inspection

Brief Summary of Contents: Techniques of using videos during inspection: 1) locating and positioning of features using cardinal clock positions and vertical tagged line; 2) nature of damage, cracking, etc. showing examples of how these are inspected.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £190 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 34 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Underwater, Pipelines

Title: Underwater Inspection Techniques: Part 5 - Pipeline Inspection

Brief Summary of Contents: Examining pipeline for evidence of damage, distortion, movement of supported lengths that may affect structural integrity. Also includes an assessment of features that form part of a pipeline installation.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £190 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 24 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Underwater, ROVs

Title: Underwater Inspection Techniques: Part 6 - Use of ROVs in Monitoring Diver Safety

Brief Summary of Contents: Compilation of video tapes showing emergencies which have occurred during diving operations. Sequences shown demonstrate that remotely operated vehicles have a major role to play in looking after the welfare and safety of the diver.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: UK £190 **Rental Period:**

Permission or License Required:

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 18 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Safety, Offshore

Title: Underwater Tools

Brief Summary of Contents: This film introduces the tools used by divers in the Royal Navy and describes the safety drills and procedures. Suitable for instruction of all divers.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Richard Bacon
Organization: Videotel Marine International Ltd.
Address: Ramillies House
1-2 Ramillies Street
London W1V 1DF
Country: UK
Telephone number: 44 71 439 6301
Telefax number: 44 71 437 0731

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:** variable

Sale Price: UK £340 **Rental Period:**

Permission or License Required: yes

Hardware Specifications

TV-video colour standard: NTSC, PAL, SECAM

Video format: VHS, Beta

Length (minutes): 27 Colour: yes

Tape width (inches):

B. VIDEO-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Shipbuilding, Weights and Volume

Title: Weight and Volume Measurement of Ships

Brief Summary of Contents: the video addresses the units of weight and volume and how they are applied in ship design and operation. Standard components of light ship and the deadweight coefficient are presented.

Language(s): English

Intended User Level: undergraduate university

Provider or Producer: **Name:** Dr. Dwight W. Stevenson
Organization: Michigan Engineering Television Network
Address: The University of Michigan
1020 H.H. Dow Building
Ann Arbor, Michigan 48109-2136
Country: USA
Telephone number: 1 313 763-1233
Telefax number: 1 313 936-3492

Release Date: 1986 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $135

Sale Price: US $265 **Rental Period:** 2 weeks

Permission or License Required:

Hardware Specifications

TV-video colour standard:

Video format: 3/4" U-matic, ½" Beta I, ½" VHS

Length (minutes): 48 Colour: yes

Tape width (inches):

C. FILM-BASED LEARNING MATERIAL INVENTORY

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UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

C. FILM-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Ecology, Coral Reef

Title: Coral Reef

Brief Summary of Contents: This film introduces the ecology of coral reefs using examples from the Western Pacific, Australia, and Florida.

Language(s): English

Intended User Level: general, secondary schools

Provider or Producer: **Name:** Director
Organization: National Geographic Society Educational Services
Address: Department 84
Washington, D.C. 20036 **Telephone number:**
Country: USA **Telefax number:**

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

Format: 16mm

Sound:

Length (minutes): 23 Colour:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

C. FILM-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Ecology, Mediterranean

Title: Die Garten Des Poseidon (The Garden of Poseidon)

Brief Summary of Contents: Looks at four different ecological systems within the Mediterranean Sea and what can be done to stop the pollution currently threatening to destroy their delicate interrelationship.

Language(s): German

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Director
Organization: ORF
Address: 30 Wurzburggasse
1136 Wien
Country: Austria
Telephone number: 22 28291
Telefax number:

Release Date: 1989
Planned Future Release Date:

ISBN Number:
Rental Price:

Sale Price:
Rental Period:

Permission or License Required:

Hardware Specifications

Format:

Sound:

Length (minutes): 45 Colour:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

C. FILM-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Monk Seal, Mediterranean

Title: Die Kueste Der Moenchsrobben (Monk Seal Coast)

Brief Summary of Contents: Sets out a conservation model for the Mediterranean Monk Seal.

Language(s): German, English

Intended User Level: general, undergraduate university

Provider or Producer: **Name:** Director
Organization: ZDF
Address: Postfach 4040
D-6500 Mainz 1
Country: Germany
Telephone number: 6131 70 2080
Telefax number: 6131 72 855

Release Date: 1977 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

Format:

Sound:

Length (minutes): 43 Colour:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

C. FILM-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Mediterranean, Life Science

Title: Ecologie Benthique Méditerranéenne (Mediterranean Benthic Ecology)

Brief Summary of Contents: Illustrates the variety of Mediterranean marine biotopes and demonstrates the principles governing the distribution of organisms in the sea. The first part deals with relationships between aerial (land) morphology and submarine topography. The second part introduces the major bionomic units and their main characteristics. (Also available in video format. See Form B.)

Language(s): French

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Centre National de la Recherche Scientifique
Organization: CNRS Audiovisuel
Address: 1 Place Aristide Briand
92195 Meudon Cedex
Country: France
Telephone number: 33 45 34 75 50
Telefax number: 33 46 28 49

Release Date: 1980 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

Format: 16mm

Sound: optical

Length (minutes): 30 Colour: yes

C. FILM-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Fish, Estuary

Title: Estuary: Columbia's Link with the Sea

Brief Summary of Contents: Examines the complex relationship between the biological and economic demands on the Pacific Northwest's largest river, The Columbia, and its estuary. Shows how upriver use of water affects salmon and other wildlife found in the estuary and relates this to the health of the fishing and tourist industries in the Astoria, Oregon, area.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Director
Organization: Sea Grant Communications
Address: Administrative Services A402
Oregon State University
Corvallis, OR 97331-2134
Country: USA
Telephone number: 1 503 737-2716
Telefax number: 1 503 737-2392

Release Date: 1982 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $20

Sale Price: US $25 **Rental Period:** 1 month

Permission or License Required: contact Sea Grant Communications

Hardware Specifications

Format: 16mm

Sound:

Length (minutes): 28 Colour: yes

C. FILM-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Aquaculture, Business

Title: Farmers of the Sea

Brief Summary of Contents: Explores the business of aquaculture around the world, comparing ventures in China, Japan, and Ejurope to those in the United States. This is a documentary produced for the Public Broadcasting Service science program, NOVA.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Director
Organization: Sea Grant Communications
Address: Administrative Services A402
Oregon State University
Corvallis, OR 97331-2134
Country: USA
Telephone number: 1 503 737-2716
Telefax number: 1 503 737-2392

Release Date: 1987 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $20

Sale Price: US $200 **Rental Period:** 1 month

Permission or License Required: contact Sea Grant Communications

Hardware Specifications

Format: 16mm

Sound:

Length (minutes): 58 Colour: yes

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

C. FILM-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Aquaculture, Business

Title: Farmers of the Sea

Brief Summary of Contents: Explores the business of aquaculture around the world, comparing ventures in China, Japan, and Ejurope to those in the United States. This is a condensed version of a documentary produced for the Public Broadcasting Service science program, NOVA.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Director
Organization: Sea Grant Communications
Address: Administrative Services A402
Oregon State University
Corvallis, OR 97331-2134
Country: USA
Telephone number: 1 503 737-2716
Telefax number: 1 503 737-2392

Release Date: 1987 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $20

Sale Price: US $200 **Rental Period:** 1 month

Permission or License Required: contact Sea Grant Communications

Hardware Specifications

Format: 16mm

Sound:

Length (minutes): 30 Colour: yes

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

C. FILM-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Mammals, Technology

Title: Gray Whale

Brief Summary of Contents: Features OSU scientist, Bruce Mate, as he uses radio transmitters, shore-based monitoring stations, and airplane-mounted radio receivers to study the diving patterns, behavior, and movements of gray whales.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Director
Organization: Sea Grant Communications
Address: Administrative Services A402
Oregon State University
Corvallis, OR 97331-2134
Country: USA
Telephone number: 1 503 737-2716
Telefax number: 1 503 737-2392

Release Date: 1982 **Planned Future Release Date:**

ISBN Number: **Rental Price:** US $20

Sale Price: US $75 **Rental Period:** 1 month

Permission or License Required: contact Sea Grant Communications

Hardware Specifications

Format: 16mm

Sound:

Length (minutes): 8 Colour:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

C. FILM-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Ecology, Resources

Title: Home to the Sea

Brief Summary of Contents: The presentation explains the ecological and economic importance of the world's coastal and ocean areas, and describes UN programs for the sustainable use of coasts and oceans.

Language(s): English

Intended User Level: general

Provider or Producer: **Name:** Director
Organization: United Nations Environment Programme
Address: United Nations Plaza
New York, New York 10017
Country: USA
Telephone number:
Telefax number:

Release Date: 1980 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

Format: 16mm

Sound:

Length (minutes): 27 Colour:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

C. FILM-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Corals, Ecology

Title: Jardin de la Vie (The Coral Garden)

Brief Summary of Contents: An undersea visit to the beautiful reefs of the Djibouti region. Pictures of various shapes of coral colonies illustrate the subject of coral biology, the invertebrates and fish that find shelter there. Shots of impoverished areas indicate threats to this coral garden. (Also available in video format. See Form B.)

Language(s): French

Intended User Level:

Provider or Producer: **Name:** Centre National de la Recherche Scientifique
Organization: CNRS Audiovisuel
Address: 1 Place Aristide Briand
92195 Meudon Cedex
Country: France
Telephone number: 33 45 34 75 50
Telefax number: 33 46 28 49

Release Date: 1986 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

Format: 16mm

Sound: optical

Length (minutes): 16 Colour: yes

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

C. FILM-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Ecology, Maldives

Title: Maldivy: Ekologiya Raya (The Maldives)

Brief Summary of Contents: Looks at how the ancient, balanced, harmonious and self-relient culture of the Maldive islanders has been upset by tourism and modern consumer values and aspirations. Coral reefs have been weakened, exposing the island's vulnerable coastline.

Language(s): Ukranian, Russian

Intended User Level: undergraduate university

Provider or Producer: **Name:** Director
Organization: Kievnauchfilm
Address: Kioto 27
Kiev 105
Country: Ukraine
Telephone number: 5138154 51307
Telefax number:

Release Date: 1988
Planned Future Release Date:

ISBN Number:
Rental Price:

Sale Price:
Rental Period:

Permission or License Required:

Hardware Specifications

Format:

Sound:

Length (minutes): 50 Colour:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

C. FILM-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Fauna and Flora, Cancer

Title: Nature Contre Nature (Nature Versus Nature)

Brief Summary of Contents: Collecting, identifying and storing samples of rare plant and animal species are carried out by researchers in New Caledonia. The tropical and marine flora and fauna of this Pacific area, endowed with exceptional biological characteristics, are studied in the CCNRS labboratories (in Nouméa and Gif-sur-Yvette) and in ORSTOM's laboratory (in Nouméa) with a view to identifying, separating, and analysing the natural molecules that can be used in the treatment of cancerous tumors. (Also available in video format. See Form B.)

Language(s): French

Intended User Level:

Pr[illegible]er or Producer: Name: Centre National de la Recherche Scientifique
Organization: CNRS Audiovisuel
Address: 1 Place Aristide Briand
92195 Meudon Cedex
Country: France
Telephone number: 33 45 34 75 50
Telefax number: 33 46 28 49

Release Date: 1988 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

Format: 16mm

Sound: optical

Length (minutes): 38 Colour: yes

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

C. FILM-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Rift, Geodynamics

Title: Djibouti, Naissance d'un Océan (Djibouti, Birth of an Ocean)

Brief Summary of Contents: Summary of ten years of studies and research carried out at the Arta Observatory, Republic of Djibuti, on the powerful geodynamism of the Assan Rift. Explains the volcano monitoring system and the processing of Argos PTT data. (Also available in video format. See Form B.)

Language(s): French

Intended User Level:

Provider or Producer: **Name:** Centre National de la Recherche Scientifique
Organization: CNRS Audiovisuel
Address: 1 Place Aristide Briand
92195 Meudon Cedex
Country: France
Telephone number: 33 45 34 75 50
Telefax number: 33 46 28 49

Release Date: 1986 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

Format: 16mm

Sound: optical

Length (minutes): 37 Colour: yes

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UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

C. FILM-BASED LEARNING MATERIALS

Key Word: Other—Pollution

Secondary Key Words: Mediterranean

Title: Mare Nostrum

Brief Summary of Contents: The film describes the international problems of pollution in the Mediterranean Sea and introduces the UNEP program, international agreements, and techniques used to begin cleanup.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Director
Organization: United Nations Environment Programme
Address: United Nations Plaza
New York, NY 10017
Country: USA
Telephone number:
Telefax number:

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

Format: 16 mm

Sound:

Length (minutes): 27 mins. Colour: X

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

C. FILM-BASED LEARNING MATERIALS

Key Word: Other—Pollution

Secondary Key Words: Toxic Compounds, Baltic Sea

Title: The Baltic Sea

Brief Summary of Contents: Focuses attention on the vulnerability of enclosed. Its message is that countries sharing the Baltic Sea should agree on a common porgramme op pollution control. (Also available in video format. See Form B.)

Language(s): English, Swedish, Danish

Intended User Level: undergraduate university

Provider or Producer: **Name:** Bo Landin
Organization: Scandinature Films
Address: P.O. Box 558
S 65169 Karlstad
Country: Sweden
Telephone number: 46 5410 0215
Telefax number: 46 5410 3303

Release Date: 1986 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

Format: 16mm

Sound:

Length (minutes): 59 Colour:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

C. FILM-BASED LEARNING MATERIALS

Key Word: Technology

Secondary Key Words: Collecting Samples, Nets

Title: Engins de Prélèvements Océanographiques, 1ère partie (Oceanographic Sampling Equipment, Part 1)

Brief Summary of Contents: On board CNRS RVs, demonstration of typical benthic and planktonic sampling equipment: plankton nets, pelagic nets, dragnets, dredge-buckets, core samplers, pump dredgers. The sampling excercises are completed by a detailed description of technical charactristics and methods of operation of the equipment. (Also available in video format. See Form B.)

Language(s): French

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Centre National de la Recherche Scientifique
Organization: CNRS Audiovisuel
Address: 1 Place Aristide Briand
92195 Meudon Cedex
Country: France
Telephone number: 33 45 34 75 50
Telefax number: 33 46 28 49

Release Date: 1987 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required:

Hardware Specifications

Format: 16mm

Sound: optical

Length (minutes): 37 Colour: yes

D. CD-ROM-BASED LEARNING MATERIAL INVENTORY

KEY WORD

Biosciences 219, 220
Geosciences 221-225
Physics 226-229

COUNTRY INDEX

Norway 220
Switzerland 229
USA 219, 221-228

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

D. CD-ROM-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Aquatic Sciences, Fisheries

Title: Aquatic Sciences and Fisheries Abstracts

Brief Summary of Contents: Covers world literature on the science, technology and management of marine, brackish and freshwater environments. Produced in cooperation with four United Nations agencies and an international network of contributing research centers. CD-ROM covers 1987 to present.

Language(s): English and other languages

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Director
Organization: Compact Cambridge
Address: 7200 Wisconsin Avenue
Bethesda, Maryland 20814
Country: USA
Telephone number: 1 301 961-6700
Telefax number: 1 301 961-6720

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: request price **Rental Period:** annual subscription

Permission or License Required: yes

Hardware Specifications

Compatible drives:

Format: ISO 9660

Software: DOS

Peripherals: graphics card type: Hard disc (Mb):

IBM or compatable computer: XT or higher

RAM memory required: 640 kb Number of discs in programme:

Operating system: DOS level: MS or PC 3.1

Monitor & graphics card: CGA, HGC, EGA, VGA, Super VGA (VGA+), MGA

Will updates be provided: quarterly

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

D. CD-ROM-BASED LEARNING MATERIALS

Key Word: Biosciences

Secondary Key Words: Taxonomy, Invertebrates

Title: Linnarus Protist

Brief Summary of Contents: A CD-ROM module for identification of the protists (algae and protozoa) and selected zooplankton of the northeast Atlantic, especially Scandinavian waters, and the entry of new taxonomic and ecological data.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Dr. F. Rey
Organization: Institute of Marine Research
Address: P.O. Box 1870
N-5024 Bergen
Country: Norway
Telephone number: 47 5 238500
Telefax number: 47 5 238531

Release Date: 1991 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: free **Rental Period:**

Permission or License Required: none

Hardware Specifications

Compatible drives:

Format:

Software:

Peripherals: graphics card type: Hard disc (Mb):

IBM or compatable computer: yes; Other computers: Macintosh, UNIX

RAM memory required: Number of discs in programme:

Operating system: DOS level:

Monitor & graphics card:

Will updates be provided: yes, through ETI, Amsterdam

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

D. CD-ROM-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Paleoceanography, Tectonics

Title: Deep Sea Drilling Project: Marine Geological and Geophysical Data, NGDC-03

Brief Summary of Contents: The DSDP CD-ROM data set contains the full suite of sediment, hard-rock, downhole logging, and underway geophysical data compitle in digital form by the staff of teh DSDP. Select-retrieval software for PC-compatibles and Macintosh machines is included. A companion set, with expanded software capabilities is planned. The CD-ROM is subsidized by JOI/USSSP.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Carla J. Moore
Organization: National Geophysical Data Center
Address: E/GC3
325 Broadway
Boulder, Colorado 80303
Country: USA
Telephone number: 1 303 497-6339
Telefax number: 1 303 497-6513

Release Date: 1989 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: free/US $90 **Rental Period:**

Permission or License Required: optional US $1 license for log analysis software

Hardware Specifications

Compatible drives: all ISO 9660 compatible drives

Format: ISO 9660

Software: custom, developed at NGCD, no additional software required

Peripherals: graphics card type: any type Hard disc (Mb): 10 recommended

IBM or compatable computer: XT, 80286,80386, 80486; Other computer: Macintosh

RAM memory required: 640 kb Number of discs in programme: 2

Operating system: DOS level: ≥2.0

Monitor & graphics card: all types both monochrome and color

Will updates be provided: irregular, as needed

D. CD-ROM-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Remote Sensing, Geophysics

Title: Earth and Space Sciences

Brief Summary of Contents: Three marine and eight other science activities using data sets, images and programs: 1) modeling coastal flooding, 2) interpreting salinity/temperature data, 3) sea-floor features (plus ozone, earthquakes, Antarctica, etc.)

Language(s): English

Intended User Level: secondary school

Provider or Producer: **Name:** Director
Organization: Joint Education Initiative
Address: Office of Technology Liaison
University of Maryland
4312 Knox Road
College Park, Maryland 20742
Country: USA
Telephone number: 1 301 405-4209
Telefax number: 1 301 314-9871

Release Date: 1990 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: **Rental Period:**

Permission or License Required: yes, individual

Hardware Specifications

Compatible drives: CD-ROM drive

Format: ISO 9660

Software: Microsoft Extensions ≥2.0

Peripherals: graphics card type: Hard disc (Mb):

IBM or compatable computer: 80286 or higher; Other: Macintosh, 2Mb RAM, Software system 6.0.5, Hypercard

RAM memory required: 640 kb Number of discs in programme: 3

Operating system: DOS level: ≥3.1

Monitor & graphics card: EGA, VGA, VGA Extended (recommended)

Will updates be provided: yes

D. CD-ROM-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Geophysics, Digital

Title: GEODAS CD-ROM

Brief Summary of Contents: The GEOphysical DAta System (GEODAS) includes 12.8 million nautical miles of bathymetry, magnetics, gravity, and seismic reflection profiles worldwide.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Dan R. Metzger
Organization: National Geophysical Data Center
Address: NOAA, E/GC4, Dept. 890
325 Broadway
Boulder, Colorado 80303-3328
Country: USA
Telephone number: 1 303 497 6338
Telefax number: 1 303 497 6513

Release Date: 1992 **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $200 (product no. 129F27001) **Rental Period:**

Permission or License Required:

Hardware Specifications

Compatible drives:

Format: ISO 9660

Software: custom

Peripherals: graphics card type: Hard disc (Mb): 29 for inventories; 4 Gb for entire data set

IBM or compatable computer: AT type (286) or higher

RAM memory required: 640 kb Number of discs in programme: 2 CD-ROM; 1 floppy

Operating system: DOS level: 2.10 or later

Monitor & graphics card: EGA, VGA

Will updates be provided:

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

D. CD-ROM-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Tectonics, Bathymetry

Title: GLORIA - East Coast

Brief Summary of Contents: Two CD-ROMS containing multiple mosaic images of GLORIA surveys. Software for PC only.

Language(s): English

Intended User Level:

Provider or Producer: **Name:** Dr. Peter W. Sloss
Organization: National Geophysical Data Center
Address: E/GC3
325 Broadway
Boulder, Colorado 80303
Country: USA
Telephone number: 1 303 320-6119
Telefax number: 1 303 497-6513

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $100 **Rental Period:**

Permission or License Required:

Hardware Specifications

Compatible drives:

Format: ISO 9660

Software: CD-ROM discs

Peripherals: graphics card type: Hard disc (Mb):

IBM or compatable computer: XT, 8206, 8306, 8406; Other computer: Macintosh II

RAM memory required: 640 kb Number of discs in programme: 2

Operating system: DOS level:

Monitor & graphics card: CGA, HGC, EGA, VGA

Will updates be provided: no

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

D. CD-ROM-BASED LEARNING MATERIALS

Key Word: Geosciences

Secondary Key Words: Tectonics, Bathymetry

Title: GLORIA - Sidescan Sonar Data (Gulf of Mexico), NGDC-04

Brief Summary of Contents: Raw trackline survey data (PK-ARC compressed files), and 8-bit monochrome mosaic images. Software for PC only on separate floppy.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Dr. Peter W. Sloss
Organization: National Geophysical Data Center
Address: E/GC3
325 Broadway
Boulder, Colorado 80303
Country: USA
Telephone number: 1 303 320-6119
Telefax number: 1 303 497-6513

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: US $45 **Rental Period:**

Permission or License Required:

Hardware Specifications

Compatible drives: All but NEC CD-ROM

Format: High Sierra

Software: MS-DOS, CD-ROM Extensions, version 2.0

Peripherals: graphics card type: Orchid Hard disc (Mb):

IBM or compatable computer: XT, 8026, 8036, 8046; Other computer: Macintosh II

RAM memory required: 640 kb Number of discs in programme: 1

Operating system: DOS level: ≥2.0

Monitor & graphics card: CGA, HBC, EGA, VGA

Will updates be provided: no

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

D. CD-ROM-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Sea Ice, Satellite

Title: DMSP SSM/I Ice Concentration Grids for the Polar Regions

Brief Summary of Contents: Ice concentration grids (25km) calculated from SSM/I brightness temperatures, using NASA Team and J.C. Comiso ice algorithms.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Claire Hanson
Organization: World Data Center-A for Glaciology
Address: National Snow and Ice Center
Cooperative Institute for Research in Environmental Sciences
Box 449
University of Colorado
Boulder, Colorado 80309
Country: USA
Telephone number: 1 303 492-1834
Telefax number: 1 303 492-2468

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: on request **Rental Period:**

Permission or License Required: none

Hardware Specifications

Compatible drives:

Format: ISO 9660

Software: producer-developed

Peripherals: graphics card type: **Hard disc (Mb):**

IBM or compatable computer: 80286, 80386, 80486

RAM memory required: 640 kb **Number of discs in programme:**

Operating system: DOS level: 3.3

Monitor & graphics card: EGA, VGA

Will updates be provided: quarterly

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

D. CD-ROM-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Sea Ice, Satellite

Title: DMSP SSM/I Brightness Temperature - Polar Regions, Volumes 1-12 and continuing

Brief Summary of Contents: Passive microwave brightness temperatures for north and south polar regions, gridded to daily 12.5 and 25 km grids. Primary use is to determine sea ice extent and concentration.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Claire Hanson
Organization: World Data Center-A for Glaciology
Address: National Snow and Ice Data Center
Cooperative Institute for Research in Environmental Sciences
Box 449
University of Colorado
Boulder, Colorado 80309
Country: USA
Telephone number: 1 303 492-1834
Telefax number: 1 303 492-2468

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: on request **Rental Period:**

Permission or License Required: none

Hardware Specifications

Compatible drives:

Format: ISO 9660

Software: producer-developed

Peripherals: graphics card type: **Hard disc (Mb):** 20

IBM or compatable computer: 80286, 80386, 80486

RAM memory required: 640 kb **Number of discs in programme:**

Operating system: DOS level: 3.3

Monitor & graphics card: EGA, VGA, Math co-processor recommended

Will updates be provided: quarterly

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

D. CD-ROM-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Sea Ice, Satellite

Title: NIMBUS-7 SMMR Polar Radiances and Sea Ice Concentration, Volume 1-12

Brief Summary of Contents: Passive microwave brightness temperatures and sea ice concentration for north and south polar regions, gridded to 3-day average 25 km grids. Discs are produced by NASA/Goddard Space Flight Center, Oceans and Ice Branch.

Language(s): English

Intended User Level: undergraduate university, advanced

Provider or Producer: **Name:** Claire Hanson
Organization: World Data Center-A for Glaciology
Address: National Snow and Ice Center
Cooperative Institute for Research in Environmental Sciences
Box 449
University of Colorado
Boulder, Colorado 80309
Country: USA
Telephone number: 1 303 492-1834
Telefax number: 1 303 492-2468

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: on request **Rental Period:**

Permission or License Required: none

Hardware Specifications

Compatible drives:

Format: ISO 9660

Software: producer-developed

Peripherals: graphics card type: Hard disc (Mb): 20

IBM or compatable computer: 80286, 80386, 80486

RAM memory required: 640 kb Number of discs in programme:

Operating system: DOS level: 3.3

Monitor & graphics card: EGA, VGA, Math co-processor recommended

Will updates be provided: none

UNESCO INVENTORY OF INNOVATIVE LEARNING MATERIALS IN MARINE SCIENCE AND TECHNOLOGY

D. CD-ROM-BASED LEARNING MATERIALS

Key Word: Physics

Secondary Key Words: Climate, Ocean/Atmoshpere System

Title: Tropical Ocean Global Atmosphere (TOGA) Meteorological Oceanographic Data Sets for 1985 and 1986

Brief Summary of Contents: The TOGA CD-ROM contains both selected observations and selected numerical model results from 1985 and 1986, i.e. tropical ship surface and sub-surface data, global drifting buoy data, Tropical Pacific sea level, moored current meter, moored temperature and island data, global surface meteorological and sea surface temperature fields.

Language(s):

Intended User Level: secondary school, undergraduate university

Provider or Producer: **Name:** Director
Organization: International TOGA Project Office
Address: World Meteorological Organization
41 Guiseppe-Motta, P.O. Box 2300
CH-1211 Geneva 2
Country: Switzerland
Telephone number: 41 22 7308 430
Telefax number: 41 22 7342 376

Release Date: **Planned Future Release Date:**

ISBN Number: **Rental Price:**

Sale Price: free **Rental Period:**

Permission or License Required:

Hardware Specifications

Compatible drives: driver for MicroVax, IBM PC compatible, Apple Macintosh and SUN systems for the ISO 9660 standard

Format: ISO 9660

Software: MS DOS extensions (version 2.0 or higher)

Peripherals: graphics card type: Hard disc (Mb): ≥2

IBM or compatable computer: XT; Other computer: Macintosh II

RAM memory required: 640 kb Number of discs in programme:

Operating system: DOS level: ≥2.0

Monitor & graphics card: EGA

Will updates be provided: yes, autumn 1992 updates and new data sets

Cont'd on inside of back cover
Cont'd from inside of front cover

No.		Year
45	Marine science teaching and training at first degree (undergraduate) level. Recommended guidelines from a UNESCO workshop on university curricula, Paris, November 1986. Available in Arabic, Chinese, English, French, Russian and Spanish	1987
46	Comparison between Atlantic and Pacific tropical marine coastal ecosystems: community structure, ecological processes, and productivity. Results and scientific papers of a UNESCO/COMAR workshop, University of the South Pacific, Suva, Fiji, 24-29 March 1986. English only	1987
47	Temperate coastal systems of Latin America. Report on meeting on COSALC Pilot Project No. VII, November 1986. Spanish only	1987
48	Coastal marine ecosystems of Africa. Objectives and strategy of the COMARAF Regional Project English only	1988
49	Eutrophication in the Mediterranean sea: receiving capacity and monitoring of long-term effects. Report and proceedings of a Scientific Workshop, Bologna, Italy, 2 to 6 March 1987. Sponsored by: UNESCO, FAO, UNEP, Regione Emilia Romagna and University of Bologna. English only	1988
50	Marine Geology of the West African shelf zone. Available in English and Russian	1988
51	Physical oceanography of the Eastern Mediterranean (POEM): Programme for 1988/89. English only	1988
52	Year 2000 challenges for marine science training and education worldwide. Available in Arabic, Chinese, English, French, Russian and Spanish	1988

No.		Year
53	Physical oceanography of the Eastern Mediterranean (POEM): The intercalibrated POEM data set and the emerging picture of the circulation, POEM Scientific Workshop, Trieste, Italy, 31 May-4 June 1988. English only	1990
54	Relative sea-level change: a critical evaluation. UNESCO (COMAR) Working Group on Mean Sea-Level Rise and its Influence on the Coastal Zone. English only	1990
55	Physical oceanography of the Eastern Mediterranean (POEM): The new phenomenology of the Eastern Mediterranean. POEM Scientific Workshop, Cambridge, Massachusetts, USA, 29 May-2 June 1989. English only	1991
56	Geological and geophysical investigations in the Mediterranean and Black Seas. Initial results of the 'Training through Research' Cruise of RV Gelendzhik in the Eastern Mediterranean and the Black Sea (June-July 1991). English only	1992
57	Physical oceanography of the Eastern Mediterranean (POEM): The scientific plan for the second phase of POEM. Fourth POEM Scientific Workshop, Venice, Italy, August-September 1990. English only	1992
58	Geological development of the Sicilian-Tunisian Platform. Proceedings of the International Scientific Meeting held at the University of Urbino, Italy, 4-6 November 1992. English only	1993
59	Artificial radioactivity of the Black Sea. English only	1993
		1993

UNESCO REPORTS IN MARINE SCIENCE

Title of numbers which are out of stock

No.		Year
1	Marine ecosystem modelling in the Eastern Mediterranean. Report of a UNESCO workshop held in Alexandria, Egypt, December 1974. English only	1977
2	Marine ecosystem modelling in the Mediterranean. Report of the Second UNESCO Workshop on Marine Ecosystem Modelling. English only	1977
3	Benthic ecology and sedimentation of the south Atlantic continental platform. Report of the seminar organized by UNESCO in Montevideo, Uruguay, 9-12 May 1978.	1979
7	Coastal ecosystems of the Southern Mediterranean: lagoons, deltas and salt marshes. Report of a meeting of experts, Tunis, 25-27 September 1978.	1979
11	Programa de Plancton para el Pacífico Oriental. Informe final del Seminario Taller realizado en el Instituto del Mar del Perú. El Callao, Perú, 8-11 de septiembre de 1980.	1981
12	Geología y geoquímica del margen continental del Atlántico Sudoccidental. Informe final del Taller de Trabajo organizado por la UNESCO en Montevideo, Uruguay, 2-4 de diciembre de 1980.	1981
13	Seminario Latinoamericano sobre Enseñanza de la Oceanografía. Informe final del Seminario organizado por la UNESCO en São Paulo, Brasil, 17-20 de noviembre de 1978.	1981

No.		Year
16	Marine and coastal processes in the Pacific: ecological aspects of coastal zone management. Report of a UNESCO seminar held at Motupore Island Research Centre, University of Papua New Guinea, 14-17 July 1980.	1981
17	The coastal ecosystems of West Africa: coastal lagoons, estuaries and mangroves. A workshop report, Dakar, 11-15 June 1979.	1981
18	Coral reef management in Asia and the Pacific: some research and training priorities. Report of a UNESCO workshop held in Manila, Philippines, 21-22 May 1981. English only.	1982
19	Mareas rojas en el Plancton del Pacífico Oriental. Informe del Segundo Taller del Programa de Plancton del Pacífico Oriental, Instituto del Mar Callao, Perú, 19-20 de noviembre de 1981. Spanish only	1982
27	Productivity and processes in island marine ecosystems. Recommendations and scientific papers from the UNESCO/IOC sessions on marine science co-operation in the Pacific, at the XVth Pacific Science Congress, Dunedin, New Zealand, February 1983. English only	1984

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